

KV-S2911E / S2911D KV-S2912U / S2913E

RM-832

SERVICE MANUAL



French Model

Chassis No. SCC-F32C-A

AEP Model

Chassis No. SCC-F26C-A

UK Model

Chassis No. SCC-F25C-A

Spanish Model

Chassis No. SCC-F33C-A

AE-2 CHASSIS

MODELS OF THE SAME SERIES

KV-S2911B/S2911D

KV-E2531D/E2931D/E3431D

KV-S2912U/S2913E

KV-E2531B/E2931B/E3431B

KV-E2533E/E2933E/E3433E/E2532U/E2932U

SPECIFICATIONS

【KV-S2911B】

Television system B/G/H, D/K L, I
Stereo system GERMAN stereo
Channel coverage L VHF: F02-F10 UHF: F21-F69
CABLE: B-Q
B/G/H VHF: E2-E12 UHF: E21-E69
CABLE TV (1): S1-S41
CABLE TV (2): S01-S05, M1-M10, U1-U10
ITALIA VHF: A-H2 (C) UHF: 21-69
D/K VHF: R1-R12
UHF: R21-R60
CABLE TV: S1-S41
I UHF: B21-B69

【KV-S2911D】

Television system B/G/H, D/K
Stereo system GERMAN stereo
Channel coverage PAL B/G VHF: E2-E12 UHF: E21-E69
CABLE TV (1): S1-S41
CABLE TV (2): S01-S05, M1-M10, U1-U10
D/K VHF: R1-R12
UHF: R21-R60

【KV-S2912U】

Television system I
Stereo system NICAM stereo
Channel coverage UHF: B21-B69

【KV-S2913E】

Television system B/G/H, D/K
Stereo system GERMAN/NICAM stereo
Channel coverage PAL B/G VHF: E2-E12 UHF: E21-E69
CABLE TV (1): S1-S41
CABLE TV (2): S01-S05, M1-M10, U1-U10
ITALIA VHF: A-H2 (C) UHF: 21-69
D/K VHF: R1-R12
UHF: R21-R60

-Continued to next page-

TRINITRON® COLOUR TV
SONY®



Colour system PAL, SECAM, NTSC3.58, NTSC4.43
Picture tube Super Black Trinitron
Approx. 72 cm (29 inches)
(Approx. 68 cm picture measured diagonally)
110°-deflection

Inputs/Outputs Terminals

【REAR】

- 1 21-pin Euro connector (CENELEC standard)
- Inputs for audio and video signals
 - inputs for RGB
 - outputs of TV video and audio signals
- 2/➤ 2 21-pin Euro connector
 - inputs for audio and video signals
 - inputs for S video
 - outputs for audio and video signals (selectable)
- 4/➤ 4 21-pin Euro connector
 - inputs for audio and video signals
 - inputs for S video
 - outputs for audio and video signals (monitor out)
- 2, ➤ 4 S video inputs
 - 4 pin DIN
- Audio inputs (L, R) -phono jacks
- S video output - 4 pin DIN
- Audio outputs - phono jacks
- Audio outputs (variable) - phono jacks
- External speaker terminals : 2 pin

【FRONT】

- 3 Video input-phono jack
- Audio input-phono jacks
- 3 S video input 4-pin DIN
- Headphone jack : Stereo minijack

Sound output 2×15 (RMS)
2×35 (Music)
Power consumption 145Wh (KV-S2911D)
145Wh (KV-S2911B)
145Wh (KV-S2913E)
218W (KV-S2912U)
Dimensions incl. speakers Approx. 702 x 558 x 540 mm
Weight Approx. 55.0 kg
Supplied accessories RM-832 Remote Commander (1)
IEC designation R6 batteries (2)
Other features Digital comb filter (High resolution)
PIP (Picture-in-picture)
Programmable commander
NICAM/GERMAN
FASTTEXT

【RM-832】

Remote control system infrared control
Power requirements 3V dc
2 batteries IEC designation R6 (size AA)
Dimensions Approx. 65×222×21mm (w/h/d)
Weight Approx. 157g (Not including Batteries)

Design and specifications are subject to change without notice.

	KV - S2911D	KV - S2913E	KV - S2911B	KV - S2912U
Pal Comb	ON	ON	ON	ON
PIP	ON	ON	ON	ON
RGB Priority	ON	ON	OFF	ON
Woofer Box	OFF	OFF	OFF	OFF
Scart 1	ON	ON	ON	ON
Scart 2	ON	ON	ON	ON
Front In (3)	ON	ON	ON	ON
Scart 4	ON	ON	ON	ON
Dyn. Convergence	ON	ON	ON	ON
Projector	OFF	OFF	OFF	OFF
AKB in 16:9 mode	ON	ON	ON	ON
Norm B/G	ON	ON	ON	OFF
Norm I	OFF	OFF	ON	ON
Norm D/K	ON	ON	ON	OFF
Norm AUS	OFF	OFF	OFF	OFF
Norm L	OFF	OFF	ON	OFF
Norm SAT	OFF	OFF	OFF	OFF
Norm M	OFF	OFF	OFF	OFF
Language Preset	Deutsch	Espanol	Francais	English

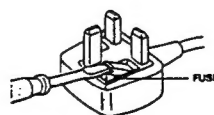
WARNING KV-S2912U only

The flexible mains lead is supplied to connected a B.S. 1363 fused plug having a fuse of 5 amp capacity. Should the fuse need to be replaced, use a 5 AMP FUSE approved by ASTA to BS 1362, ie carries the ⚡ mark.

If the plug supplied with this appliance is not suitable for your socket outlets in your home, it should be cut off and an appropriate plug fitted.

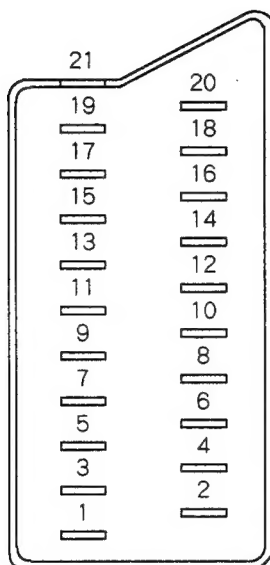
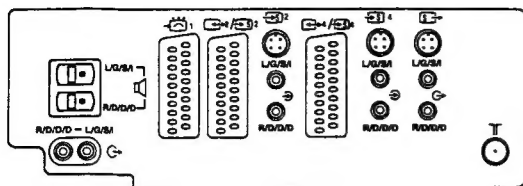
The plug severed from the mains lead must be destroyed as a plug with bared wires is dangerous if engaged in a live socket outlet.

When an alternative type of plug is used it should be fitted with a 5 AMP FUSE, otherwise the circuit should be protected by a 5 AMP FUSE at the distribution board.



How to replace the fuse
Open the fuse compartment with the blade screwdriver, and replace the fuse.

21 pin connector (1 2/ 4)



Pin No	1	2	4	Signal	Signal level
1	○	○	○	Audio output B (right)	Standard level : 0.5Vrms Output impedance : Less than 1kohm *
2	○	○	○	Audio input B (right)	Standard level : 0.5Vrms Input impedance : More than 10kohms *
3	○	○	○	Audio output A (left)	Standard level : 0.5Vrms Output impedance : Less than 1kohm *
4	○	○	○	Ground (audio)	
5	○	○	○	Ground (blue)	
6	○	○	○	Audio input A (left)	Standard level : 0.5Vrms Input impedance : More than 10kohms *
7	○	●	●	Blue input	0.7 ± 3dB, 75ohms, positive
8	○	○	○	Function select (AV control)	High state (9.5 – 12V) : Part mode Low state (0 – 2V) : TV mode Input impedance : More than 10kohms Input capacitance : Less than 2nF
9	○	○	○	Ground (green)	
10	○	○	○	Open	
11	○	●	●	Green	Green signal : 0.7V ± 3dB, 75ohms, positive
12	○	○	○	Open	
13	○	○	○	Ground (red)	
14	○	○	○	Ground (blanking)	
15	○	–	–	Red input (S signal) chroma input	0.7V ± 3dB, 75ohms, positive 0.3V ± 3dB, 75ohms, positive
16	○	●	●	Blanking input (Ys signal)	High state (1 – 3V) Low state (0 – 0.4V) Input impedance : 75ohms
17	○	○	○	Ground (video output)	
18	○	○	○	Ground (video input)	
19	○	○	○	Video output	1V ± 3dB, 75ohms, positive Sync : 0.3V (– 3, +
20	○	–	–	Video input	1V ± 3dB, 75ohms, positive Sync : 0.3V (– 3, +
20	–	○	○	Video Input/Y (S signal)	1V ± 3dB, 75ohms, positive Sync : 0.3V (– 3, + 10dB)
21	○	○	○	Common ground (plug, shield)	

○ Connected ● unconnected (open) * at 20Hz – 20kHz

4 Pin connector (4)

Pin No	Signal	Signal level
1	Ground	
2	Ground	
3	Y (S signal) input	1V ± 3dB 75ohm, positive Sync 0.3V ± 3dB
4	C (S signal) input	0.3V ± 3dB 75ohm, positive




TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>	<u>Section</u>	<u>Title</u>	<u>Page</u>
1. GENERAL			3. SET-UP ADJUSTMENTS		
1-1.	Overview	5	3-1.	Beam Landing	24
1-2.	Step 3 — Tuning in to TV stations	6	3-2.	Convergence	25
1-3.	Additional Presetting Functions	7	3-3.	Focus	28
1-4.	Watching the TV	9	3-4.	White Balance	28
1-5.	Adjusting and Setting the TV Using the Menu	10	4. CIRCUIT ADJUSTMENTS		
1-6.	PIP (Picture-In-Picture)	11	4-1.	Electrical Adjustments	29
1-7.	Teletext	11	4-2.	Volume Electrical Adjustments	33
1-8.	Connecting and Operating optional Equipment	13	4-3.	Test Mode 2 :	34
1-9.	For Your Information	15	4-4.	Error Message	35
2. DISASSEMBLY			4-5.	Error II C Bus Diaghossis System in AE2 Chassis	35
2-1.	Rear Cover Removal	16	5. DIAGRAMS		
2-2.	Speaker Removal	16	5-1.	Block Diagram (1)	37
2-3.	Chassis Assy Removal	17	5-2.	Block Diagram (2)	41
2-4.	Service Position	17	5-3.	Circuit Boards Location	45
2-5.	M, V, and A1 Boards Removal	18	5-4.	Schematic Diagrams and Printed Wiring Boards	45
2-6.	D2 and D1 Boards Removal	18	5-5.	Semiconductors	97
2-7.	Extension Board	19	6. EXPLODED VIEWS		
2-8.	F Bracket Removal	19	6-1.	Chassis	99
2-9.	J Board Removal	20	6-2.	Picture Tube	100
2-10.	P Board Removal	20	7. ELECTRICAL PARTS LIST		101
2-11-1.	Wire Rod	21			
2-11-2.	Wire Rod	21			
2-12.	Degaussing Coil Removal	22			
2-13.	Picture Tube Removal	23			

CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.


SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MARQUE  SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIÈCES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÈCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY.

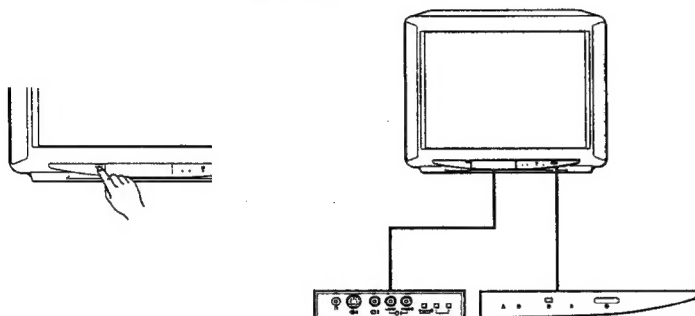
1-1. OVERVIEW

SECTION 1 GENERAL

The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

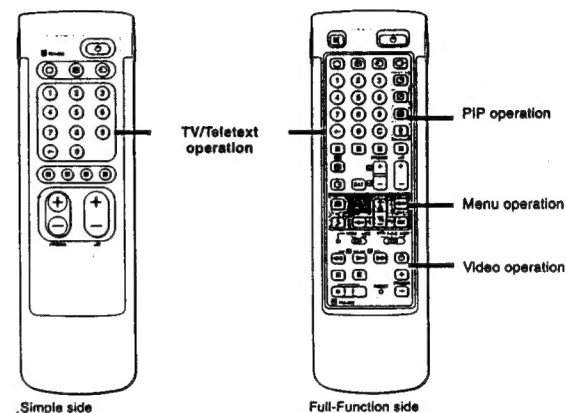
This section briefly describes the buttons and controls on the TV set and on the Remote Commander. For more information, refer to the pages given next to each description.

TV set-front



Symbol	Name	Refer to page
⏻	Main power switch	14
⏻	Standby indicator	14
A-B	Stereo A/B indicators	16
🎧	Headphones jack	22
📺, 📺, 📺	Input jacks (S video/video/audio)	22
🔍	Function selector (Programme/volume/input)	15
⬆️⬆️	Adjustment buttons for function selector	15

Remote commander RM-832



Note
The SAT button does not operate with this TV.

TV/Teletext operation

Symbol	Name	Refer to page
🔇	Muting on/off button	15
⏻	Standby button	14
📺	TV power on/TV mode selector button	14
📺	Teletext button	15
📺	Input mode selector	15
📺	Output mode selector	23
1,2,3,4,5,6,7,8,9 and 0	Number buttons	14
⬆️⬆️	Double-digit entering button	14
C	Direct channel entering button	13
⬆️⬆️	Volume control button	14
PROGR+/-	Programme selectors	14
📺	Teletext page access buttons	19
📺	Picture adjustment button	16
📺	Sound adjustment button	16
📺	On-screen display button	15
📺	Teletext hold button	19
📺	Time display button	15
📺	Fastext buttons	19

PIP (Picture-in-Picture) operation

Symbol	Name	Refer to page
📺	PIP on/off button	18
📺	PIP source selector	18
📺	Swap button	18
📺	PIP position changing button	18

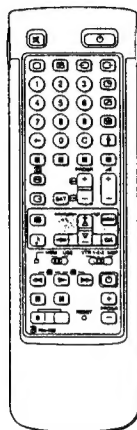
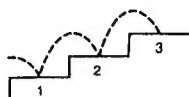
Menu operation

Symbol	Name	Refer to page
MENU	Menu on/off button	8
Δ+/-	Select buttons	8
OK	OK (confirming) button	8
←	Back button	8

Video operation

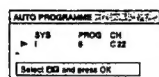
Symbol	Name	Refer to page
MEM USE	MEM/USE switch	25
MEM	MEM indicator	25
VTR 1/2/3, MDP	Video equipment selector	25
⬅️➡️	Video equipment operation buttons	25
PROGR +/-	RESET	25

1-2. STEP 3 – TUNING IN TO TV STATIONS

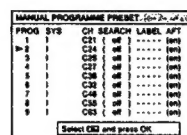


Once you have set up the TV, you can choose the language of the menu. Then you should preset the channels (up to 100 channels) by choosing either the automatic or manual method.

The automatic method is easier if you want to preset all receivable channels at once. Use the manual method if you only have a few channels and want to preset channels one by one. The manual method is also convenient for allocating programme numbers to various video input sources.



Auto Menu



Manual Menu

Before you begin

- Check that the Full-Function side of the Remote Commander is visible.
- Locate Menu operation buttons on the Remote Commander. They are shaded in the illustration at the left.

1 Display the Menu

- 1 Depress Φ on the TV. The TV will switch on. If the standby indicator on the TV is lit, press \square or a number button on the Remote Commander.
- 2 Press the MENU button. The main menu appears. (See Fig. 1.)

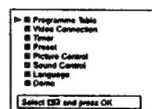


Fig. 1.

2 Choose a language

- 1 Select «Language» with the Δ + or ∇ - button and press the OK button. The LANGUAGE menu appears. (See Fig. 2.)
- 2 Select the language you want with Δ + or ∇ - and press OK, then press \leftarrow .

Now, choose one of the following methods
«Preset Channels Automatically»
 or
«Preset Channels Manually».

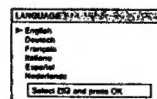


Fig. 2.

With this method, you can preset all receivable channels at once.

To stop automatic channel presetting Press \leftarrow on the Remote Commander.

Notes

• After presetting the channels automatically, you can check which channels are stored on which programme positions. For details, see «Using the Programme Table» on page 16.

• You can exchange the programme positions to have them appear on screen in the order you like. For details, see «Exchanging the Programme Positions» on page 10.

3 Preset channels automatically

- 1 Select «Preset» with Δ + or ∇ - and press OK. The PRESET menu appears. (See Fig. 3.)
- 2 Select «Auto Programme» with Δ + or ∇ - and press OK. The AUTO PROGRAMME menu appears. (See Fig. 4.)
- 3 Press OK repeatedly until the first element of the «PROG» number is highlighted.
- 4 Select the programme (number button) from which you want to start presetting. Select the first element of the double-digit number with Δ + or ∇ - or the number buttons (e.g. For «04», select «0» here) and press OK. The second element of «PROG» will be highlighted.
- 5 Select the second element of the double-digit number with Δ + or ∇ - or the number buttons (e.g. For «04», select «4» here) (See Fig. 5.) and press OK.
- 6 Press OK. The automatic channel presetting starts.

When presetting is finished, the preset menu reappears. All available channels are now stored on successive number buttons.



Fig. 3.



Fig. 4.



Fig. 5.

Use this method if there are only a few channels in your area to preset or if you want to preset channels one by one. You may also allocate programme numbers to various video input sources.

If you have made a mistake Press \leftarrow to go back to the previous position. To go back to main menu Keep pressing \leftarrow . To go back to the normal TV picture Press MENU.

3 Preset channels manually

- 1 Select «Preset» with Δ + or ∇ - and press OK. The PRESET menu appears. (See Fig. 6.)
- 2 Select «Manual Programme Preset» with Δ + or ∇ - and press OK. The MANUAL PROGRAMME PRESET menu appears. (See Fig. 7.)



Fig. 6.

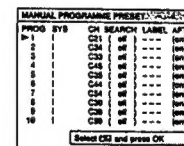
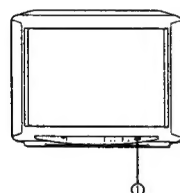


Fig. 7.



To go back to main menu
 Keep pressing \leftarrow

To go back to the normal TV picture
 Press MENU.

Note on the DEMO function
 If you choose «Demo» on the main menu, you can see a sequential demonstration on the menu functions.

To tune in a channel by frequency
After selecting F in step 5, enter three digits using the number buttons.

- 3 Using Δ + or ∇ -, select the programme position (number button) to which you want to preset a channel, and press OK.
- 4 Select if necessary, a video input source (EXT) with Δ + or ∇ -. Then press OK. The CH position will be highlighted. (See Fig. 8.)
- 5 Using Δ + or ∇ -, select C (to preset a regular channel) or F (to tune in by frequency) and press OK.
The first element of the «CH» number will be highlighted.
If you have selected EXT in step 4, select the video input source with Δ + or ∇ -. (See Fig. 9.)

There are two ways to preset channels. If you know the channel number, go to step «6-Manual»,
or

if you don't know the channel number, go to step «6-Search».

6 Manual

- a Select the first element of the «CH» number with Δ + or ∇ - or the number buttons and press OK.
The second element of the «CH» number will be highlighted.
- b Select the second element of the number with Δ + or ∇ - or the number buttons.
The selected number appears. (See Fig. 10.)
- c Press OK.
The «SEARCH» position is highlighted and the selected channel is now stored. (See Fig. 11.)
- d Press OK until the cursor appears by the next programme position.
- e Repeat steps 3 to 6 to preset other channels.

6 Search

- a Press OK repeatedly until the colour of the SEARCH position changes.
- b Start searching for the channel with Δ + (up) or ∇ - (down).
The CH position changes colour. (See Fig. 12.)
The CH number starts counting up or downwards. When a channel is found, it stops. (See Fig. 13.)
- c Press OK if you want to store this channel. If not, press Δ + or ∇ - to continue channel searching.
- d Press OK until the cursor appears by the next programme position.
- e Repeat steps 3 to 6 to preset other channels.

If you have made a mistake
Press \leftarrow to go back to the previous position.
To go back to main menu
Keep pressing \leftarrow .
To go back to the normal TV picture
Press MENU.

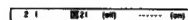


Fig. 8.



Fig. 9.



Fig. 10.

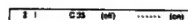


Fig. 11.



Fig. 12.

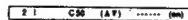
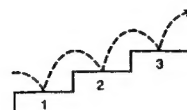


Fig. 13.

1-3. ADDITIONAL PRESETTING FUNCTIONS



This section shows you additional presetting functions such as exchanging or skipping programme positions, captioning a station name, manual fine-tuning, and using the parental lock.

Before you begin

- Check that the Full Function side of the Remote Commander is visible.
- Locate the Menu operation buttons.

Exchanging Programme Positions

With this function, you can exchange the programme positions to a preferable order.

- 1 Press MENU to display the main menu.
- 2 Select «Preset» with Δ + or ∇ - and press OK.
The PRESET menu appears.
- 3 Select «Programme Exchange» with Δ + or ∇ - and press OK.
The PROGRAMME EXCHANGE menu appears. (See Fig. 14.)
- 4 Using Δ + or ∇ -, select the programme position you want to exchange with another and press OK.
The colour of the selected position changes. (See Fig. 15.)
- 5 Using Δ + or ∇ -, select the programme position to be exchanged and press OK. Now the two programme positions have been exchanged. (See Fig. 16.)
- 6 Repeat steps 4 and 5 to exchange other programme positions.

PROG	CH	LABEL	PROG	CH	LABEL
0	AV1	YHS	8	C36	TV
1	---	---	9	C36	G4
2	C36	SEC2	10	---	---
3	C31	SEC2	11	---	---
4	---	---	12	---	---
5	VIDEO1	BM	13	---	---
6	---	---	14	---	---
7	---	---	15	---	---

Fig. 14.

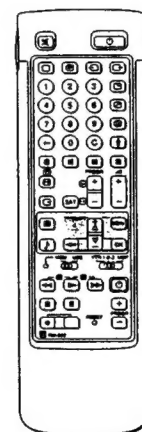
3	C31	SEC2	11	---	---
---	-----	------	----	-----	-----

Fig. 15.

PROG	CH	LABEL	PROG	CH	LABEL
0	AV1	YHS	8	C36	TV
1	---	---	9	C36	G4
2	C31	SEC2	10	---	---
3	C36	SEC2	11	---	---
4	---	---	12	---	---
5	VIDEO1	BM	13	---	---
6	---	---	14	---	---
7	---	---	15	---	---

Fig. 16.

PROGRAMME EXCHANGE



For programme positions beyond 15
The display scrolls automatically.

If you have made a mistake
Press \leftarrow to go back to the previous position.

To go back to main menu
Keep pressing \leftarrow .

To go back to the normal TV picture
Press MENU.

Tuning in a Channel Temporarily

You can tune in a channel temporarily, even when it has not been preset. Use the buttons on the Full-Function side of the Remote Commander.

- 1 Press C on the Remote Commander.
The indication «C» appears on the screen.
- 2 Enter the double-digit channel number using the number buttons (e.g. for channel 4, first press 0, then 4).
The channel appears.
However, the channel will not be stored.

C

MANUAL PROGRAMME PRESET

Skippping Programme Positions

You can skip unused programme positions when selecting programmes with the PROGR +/- buttons. However, the skipped programmes may still be called up when you use the number buttons.

- 1 Press MENU to display the main menu.
- 2 Select «Preset» with Δ + or ∇ - and press OK. The PRESET menu appears.
- 3 Select «Manual Programme Preset» with Δ + or ∇ - and press OK. The MANUAL PROGRAMME PRESET menu appears. (See Fig. 17.)
- 4 Using Δ + or ∇ -, select the programme position which you want to skip and press OK. The «SYS» position changes colour.
- 5 Press Δ + or ∇ - until «---» appears in the SYSTEM position. (See Fig. 18.)
- 6 Press OK. (See Fig. 19.) When you select programmes using the PROGR +/- buttons, the programme position will be skipped.
- 7 Repeat steps 4 to 6 to skip other programme positions.



PROG	SYS	CH	SEARCH	LABEL	AFT
1	---	C21	(off)	---	(off)
2	---	C24	(off)	---	(off)
3	---	C25	(off)	---	(off)
4	---	C27	(off)	---	(off)
5	---	C28	(off)	---	(off)
6	---	C22	(off)	---	(off)
7	---	C26	(off)	---	(off)
8	---	C23	(off)	---	(off)
9	---	C23	(off)	---	(off)
10	---	C29	(off)	---	(off)

Fig. 17.

3	---				
---	-----	--	--	--	--

Fig. 18.

3	---				
---	-----	--	--	--	--

Fig. 19.

MANUAL PROGRAMME PRESET

Captioning a Station Name

You can «name» a channel or an input video source using up to five characters (letters or numbers) to be displayed on the TV screen (e.g. BBC1). Using this function, you can easily identify which channel or video source you are watching.

- 1 Press MENU to display the main menu.
- 2 Select «Preset» with Δ + or ∇ - and press OK. The PRESET menu appears.
- 3 Select «Manual Programme Preset» with Δ + or ∇ - and press OK. The MANUAL PROGRAMME PRESET menu appears. (See Fig. 20.)
- 4 Using Δ + or ∇ -, select the programme position you want to caption and press OK repeatedly until the first element of the LABEL position is highlighted.
- 5 Select a letter or number with Δ + or ∇ - and press OK. The next element will be highlighted. Select other characters in the same way. If you want to leave an element blank, select - and press OK. (See Fig. 22.)
- 6 After selecting all the characters, press OK repeatedly until the cursor appears by the next programme position (at the left margin). Now the caption you chose is stored. (See Fig. 21.)
- 7 Repeat steps 5 and 6 to caption names for other channels.

PROG	SYS	CH	SEARCH	LABEL	AFT
1	---	C21	(off)	---	(off)
2	---	C24	(off)	---	(off)
3	---	C25	(off)	---	(off)
4	---	C27	(off)	---	(off)
5	---	C28	(off)	---	(off)
6	---	C22	(off)	---	(off)
7	---	C26	(off)	---	(off)
8	---	C23	(off)	---	(off)
9	---	C23	(off)	---	(off)
10	---	C29	(off)	---	(off)

Fig. 20.

2	---	C25	(off)	S	---
---	-----	-----	-------	---	-----

Fig. 21.

2	---	C25	(off)	SONY	---
---	-----	-----	-------	------	-----

Fig. 22.

If you have made a mistake
Press \leftarrow to go back to the previous position.
To go back to main menu
Keep pressing \leftarrow .

To go back to the normal TV picture
Press MENU.

MANUAL PROGRAMME PRESET

Manual Fine-Tuning

Normally, the AFT (automatic fine-tuning) is already operating. However, if the picture is distorted, you can use the manual fine tuning function to obtain better picture reception.

- 1 Press MENU to display the main menu.
- 2 Select «Preset» with Δ + or ∇ - and press OK. The PRESET menu appears.
- 3 Select «Manual Programme Preset» with Δ + or ∇ - and press OK. The MANUAL PROGRAMME PRESET menu appears. (See Fig. 23.)
- 4 Using Δ + or ∇ -, select the programme position corresponding to the channel which you want to manually fine-tune, and press OK repeatedly until the AFT position changes colour.
- 5 Fine-tune the channel with Δ + or ∇ - so that you get the best TV reception. As you press the cursor buttons, the frequency changes from -15 to +15. (See Fig. 24.)
- 6 After fine tuning, press OK. The cursor appears beside the next programme position (at the left margin). (See Fig. 25.) Now the fine-tuned level is stored.
- 7 Repeat steps 4 to 6 to fine-tune other channels.

To reactivate AFT (automatic fine tuning)
Repeat from the beginning and select «ON» in step 5.

PROG	SYS	CH	SEARCH	LABEL	AFT
1	---	C21	(off)	---	(off)
2	---	C24	(off)	---	(off)
3	---	C25	(off)	---	(off)
4	---	C27	(off)	---	(off)
5	---	C28	(off)	---	(off)
6	---	C22	(off)	---	(off)
7	---	C26	(off)	---	(off)
8	---	C23	(off)	---	(off)
9	---	C23	(off)	---	(off)
10	---	C29	(off)	---	(off)

Fig. 24.

3	---	C24	(off)	---	(-3)
---	-----	-----	-------	-----	------

Fig. 25.

3	---	C24	(off)	---	(-3)
---	-----	-----	-------	-----	------

Fig. 26.

PARENTAL LOCK

Parental Lock

You can prevent undesirable broadcasts from appearing on the screen. We suggest you use this function to prevent children from watching programmes which you consider unsuitable.

- 1 Press MENU to display the main menu.
- 2 Select «Preset» with Δ + or ∇ - and press OK. The PRESET menu appears.
- 3 Select «Parental Lock» with Δ + or ∇ - and press OK. The PARENTAL LOCK menu appears. (See Fig. 26.)
- 4 Using Δ + or ∇ -, select the programme position you want to block and press OK. The selected PROG number, CH and LABEL change colour indicating that this programme is now blocked. (See Fig. 27.)
- 5 Repeat step 4 to block other programme positions.

PROG	CH	LABEL	PROG	CH	LABEL
1	AV1	VHS	8	C26	---
2	C28	BBC2	9	C26	---
3	C42	BBC1	10	C46	---
4	C26	CA	11	C41	---
5	C24	ITV	12	C42	---
6	C26	---	13	C43	---
7	C28	---	14	C44	---
8	C27	---	15	C45	---

Fig. 26.

PROG	CH	LABEL	PROG	CH	LABEL
1	C28	BBC2			
2	C42	BBC1			
3	C26	CA			

Fig. 27.

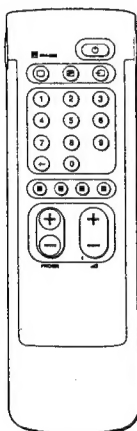
If you try to select a programme that has been blocked
The message «LOCKED» appears on the blank TV screen.

Cancelling blocking

- 1 On the PARENTAL LOCK menu, select the programme position you want to unblock with Δ + or ∇ -.
- 2 Press OK. The selected PROG number, CH and LABEL change colour to normal colour indicating that the blocking has been cancelled.

operation Instructions

1-4. WATCHING THE TV



If no picture appears when you depress \odot on the TV and if the standby indicator on the TV is lit, the TV is in standby mode. Press \odot or one of the number buttons to switch it on.

This section explains the basic functions you use while watching TV. Most of the operations can be done using the simple side of the Remote Commander.

Switching the TV on and off

Switching on

Depress \odot on the TV.

Switching off temporarily

Press \odot on the Remote Commander.

The TV enters standby mode and the standby indicator on the front of the TV lights up.

To switch on again

Press \odot , PROG \pm , or one of the number buttons on the Remote Commander.

Switching off completely

Depress \odot on the TV.

Selecting TV Programmes

Press PROG \pm or press number buttons.

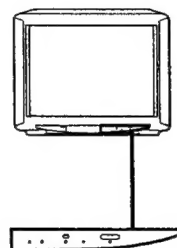
To select a double-digit number

Press \pm , then the numbers.

For example, if you want to choose 23, press \pm , 2 and 3.

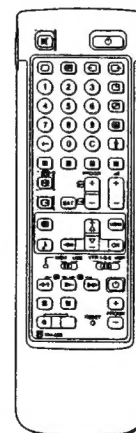
Adjusting the Volume

Press \triangle/\pm .



For details of the teletext operation, refer to page 18.

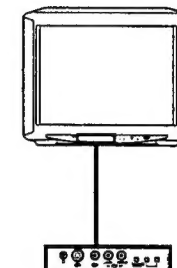
For details of the video input picture, refer to page 22.



Operating the TV Using the Buttons on the TV

With the buttons on the TV, you can select programmes, adjust the volume, and select video input sources.

- Press $\text{P} \rightarrow \triangle \rightarrow \odot$ button repeatedly until the programme number, \triangle (for volume), or \odot (for video input picture) appears. Then adjust with the \pm buttons.
- Press \pm buttons to switch on the TV from the standby mode.
- Press \pm simultaneously to reset picture and sound controls to the factory preset level (RESET function).



Watching Teletext or Video Input

Watching teletext

- Press P to view the teletext.
- Press three number buttons to select a page.
- Press one of the coloured buttons for fasttext operation.
- Press P (PAGE $+$) or P (PAGE $-$) for the next or preceeding page.
- To go back to the normal TV picture, press \odot .

Watching a video input picture

Press \odot repeatedly until the desired video input appears. To go back to the normal TV picture, press \odot .

More Convenient Functions

Use the Full-Function side of the Remote Commander.

Displaying the on screen indications

- Press \odot once to display all the indications. They will disappear after some seconds.
- Press \odot twice to have the programme number and label stay on screen. Press twice again to make indications disappear.

Muting the sound

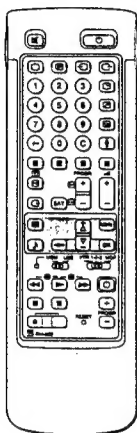
- Press M .
- To resume normal sound, press M again.

Displaying the time

- Press P . This function is available only when teletext is broadcast.
- To make the time display disappear, press P again.

1-5. ADJUSTING AND SETTING THE TV USING THE MENU

PICTURE CONTROL SOUND CONTROL



If you have made a mistake
Press \leftarrow to go back to the previous position.

To go back to the main menu
Keep pressing \leftarrow .

To go back to the normal TV picture
Press MENU.

Note:
HUE is only available for NTSC colour system and RESOLUTION does not work for SECAM colour system.

Note on LINE OUT
The audio level and the dual sound mode output from the \odot jack on the rear correspond to the Headphone VOLUME and DUAL SOUND settings.

When watching video input picture
You can select the SOUND to ch-

Adjusting the Picture and Sound

Although the picture and sound are adjusted at the factory, you can adjust them to suit your own taste. In addition, you can change the aspect ratio of the TV display for wide screen effect, or set the resolution to obtain a higher quality picture. You can also select dual sound (bilingual) programmes when available or adjust the sound for listening with the headphones.

- Press \blacksquare (for picture) or \blacktriangledown (for sound) on the Remote Commander.
or
Press MENU and select «Picture Control» or «Sound Control», then press OK.
The PICTURE CONTROL or SOUND CONTROL menu appears. (See Fig. 28 or Fig. 29.)
- Using Δ + or ∇ -, select the item you want to adjust and press OK. The selected item changes colour. (See Fig. 30.)
- Adjust the setting with Δ + or ∇ - and press OK.
The cursor appears beside the next item (at the left margin). (See Fig. 31.)
For the effect of each control, see the table below.
- Repeat steps 2 and 3 to adjust other items.

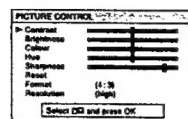


Fig. 28.

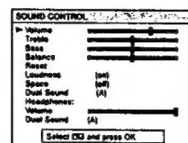


Fig. 29.



Fig. 30.

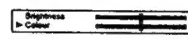


Fig. 31.

Effect of each control

PICTURE CONTROL	Effect
Contrast	Less \rightarrow More
Brightness	Darker \rightarrow Brighter
Colour	Less \rightarrow More
Hue	Greenish \rightarrow Reddish
Sharpness	Softer \rightarrow Sharper
Reset	Resets picture to the factory preset levels
Format	4:3: Normal 16:9: Wide screen effect
Resolution	Normal high: Obtain a higher quality picture

SOUND CONTROL	Effect
Volume	Less \rightarrow More
Treble	Less \rightarrow More
Bass	Less \rightarrow More
Balance	More left \rightarrow More right
Reset	Resets sound to the factory preset levels
Loudness	off: Normal on: When listening to low volume sound
Space	off: Normal on: Obtain acoustic sound effect
Dual Sound	A: left channel B: right channel stereo mono The selected mode of The A.C.D-B indicator on the TV lights up (for NICAM broadcasts see next page)
Headphones	
Volume	Less \rightarrow More
Dual Sound	A: left channel B: right channel stereo mono

Selecting Nicam Broadcasts*

This Sony TV has been designed to select Nicam broadcasts when available. Whenever a Nicam broadcast is received, «NICAM» appears briefly on the screen. When the Nicam programme ends, or you switch channels to one without Nicam, the A.C.D-B indicators, on the TV will switch off. Nicam programmes can be broadcast in two ways. You may select the sound you want to hear in either of these by first following the instructions explained on page 16.

Service Being Broadcast	Action	Effect	Indication on the TV A.C.D-B
Stereo	Press Δ + or ∇ -	Stereo Nicam (Mono 2-Channel) mono	\blacksquare \blacksquare
Press Δ + or ∇ - again to return to stereo Nicam (mono 2-channel)			
Bilingual	press Δ + or ∇ -	Channel A Nicam Channel B Nicam mono	\blacksquare \blacksquare
Press Δ + or ∇ - again to return to channel A Nicam			

* Depending on availability of service.

Using the Programme Table

On this table, you can see which channel is preset to which programme position. You can also select programmes using this table.

From the main menu, select «Programme Table» with Δ + or ∇ - and press OK.
The PROGRAMME TABLE menu appears. (See Fig. 32.)

To scroll to higher programme numbers, press Δ -.

Fig. 32.

Using the Sleep Timer

You can select a time period after which the TV automatically switches into standby mode.

- From the main menu, select «Timer» with Δ + or ∇ - and press OK.
The TIMER menu appears. (See Fig. 33.)
- Press OK.
The time period option changes colour.
- Select the time period with Δ + or ∇ -.
The time period (in minutes) changes as follows:
10 \rightarrow 20 \rightarrow 30 \rightarrow 40 \rightarrow 50 \rightarrow 60 \rightarrow 70 \rightarrow 80 \rightarrow 90
OFF
- After selecting the time period, press OK.
The cursor moves back to the left margin and the timer starts counting.
One minute before the TV switches into standby mode, a message is displayed on the screen.

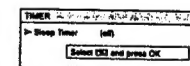
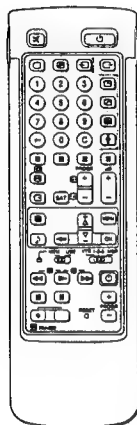


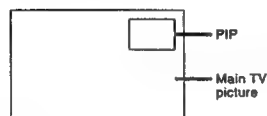
Fig. 33.

1-6. PIP (PICTURE-IN-PICTURE)



Note
RGB input source cannot be displayed in PIP.

With this function you can display a «PIP screen» (small picture) within the main TV picture. In this way you can watch or monitor the video output from any connected equipment (for example from a VTR) while watching TV or vice versa. For information about connection of other equipment, refer to page 21.



Switching PIP on and off

Press **PIP**.
The PIP screen will be displayed. The PIP picture will come from the source chosen when the TV was last used.

To switch PIP off
Press **PIP** again.

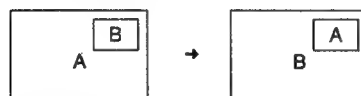
Selecting a PIP source

Press **↑**.
The symbol **↑** will be displayed at the bottom, left-hand corner of the screen.
Press **CH** repeatedly until the desired source is indicated (e.g. TV, AV 1, AV 2, YC2, AV 3, YC3, AV 4, YC 4).

Note
If no video source has been connected, the PIP picture will be noisy.

Swapping screens

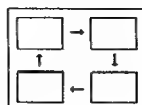
Press **SWP**.
The main screen will switch the picture with the PIP screen.



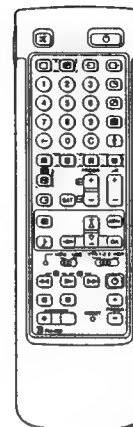
Note
If a TV programme is on the PIP screen and a video source on the main picture, and you want to change channels, first press **↑** and then the programme buttons or **PROGR** **↔**.

Changing the position of the PIP

Press **PIP** repeatedly to change the position of the PIP screen within the main screen. There are four different positions available.



1-7. TELETEXT



Note
Teletext errors may occur if the broadcasting signals are weak.

With the simple side of the Remote Commander
You can switch teletext on and off, operate Fasttext, and directly select page numbers.

TV stations broadcast an information service called Teletext via the TV channels. Teletext service allows you to receive various information pages such as weather reports or news at any time you want. For advanced teletext operation, use the buttons on the Full-Function side of the Remote Commander.

Direct Access Functions

Switching Teletext on and off

- 1 Select the TV channel which carries the teletext broadcast you want to watch.
- 2 Press **TELE** to switch on teletext.
A teletext page will be displayed (usually the index page).
If there is no teletext broadcast, «No text available» is displayed on the information line of the screen.

To switch teletext off
Press **TELE**.

Selecting a teletext page

With direct page selection
Use the number buttons to input the three digits of the chosen page number.
If you have made a mistake, type in any three digits. Then re-enter the correct page number.

With page-catching

- 1 Select a teletext page with a page overview (e.g. index page).
- 2 Press **PC** twice. «Page catching» will be displayed on the information line. The last digit of the first displayed page number flashes.
- 3 Using **Δ** or **▽**, select the desired page and press **OK**.
The requested page will appear in a few seconds.

Accessing next or preceding page

Press **Δ** (PAGE **+**) or **▽** (PAGE **-**).
The next or preceding page appears.

Superimposing the teletext display on the TV programme

- Press **TELE** once in teletext mode or twice in TV mode.
- Press **TELE** again to resume normal teletext reception.

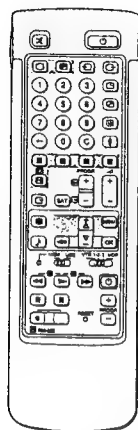
Preventing a teletext page from being updated

- Press **HOLD**. The HOLD symbol «H» is displayed on the information line.
- Press **TELE** to resume normal teletext reception.

Using Fasttext

With Fasttext you can access pages with one key stroke.
When a Fasttext page is broadcast, a colour-coded menu will appear at the bottom of the screen. The colours of this menu correspond to the red, green, yellow and blue buttons on the Remote Commander.

Press the corresponding coloured button on the Remote Commander which corresponds to the colour-coded menu. The page will be displayed after some seconds.



Note
Some of the features may not be available depending on the Teletext service.

Using the Teletext Menu

This TV is provided with a menu-guided teletext system. When teletext is switched in, you can use the menu buttons to operate the teletext menu. Select the teletext menu functions in the following way:

- 1 Press MENU. The menu will be superimposed on the teletext display. (See Fig. 34.)
- 2 Using Δ + ∇ -, select the teletext function you want and press OK. (See Fig. 35.)

USER PAGES/PRESET USER PAGES

See page 20 for information about presetting and operating the user pages.

INDEX

The index will give you an overview of the contents of the teletext and the page numbers.

TOP/BOTTOM/FULL

For convenient reading of a teletext page, you can enlarge the teletext display. After having selected the function, an information line TOP/BOTTOM/FULL will be displayed. (See Fig. 36.)

Press Δ + for »Top« to enlarge the upper half, ∇ - for »Bottom« to enlarge the lower one and OK for »Full« to resume the normal size.

Press OK to resume normal teletext reception.

TEXT CLEAR

After having selected the function, you can watch a TV programme while waiting for a teletext page to be displayed. (See Fig. 37.)

Press OK to resume normal teletext mode.

REVEAL

Sometimes pages contain concealed information, such as answers to a quiz. The reveal option lets you disclose the information. After having selected the function, an information line »REVEAL ON/OFF« will be displayed. (See Fig. 38.)

Using Δ + or ∇ -, select ON to reveal the information or OFF to conceal it again.

Press OK to resume normal teletext reception.

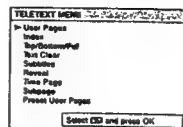


Fig. 34.

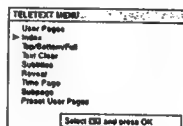


Fig. 35.

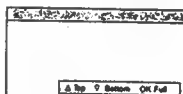


Fig. 36.

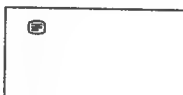


Fig. 37.



Fig. 38.

To cancel the request
Select »OFF« for the
SUBPAGE setting and
press OK.

If two broadcasting
stations use the
same Teletext
You can preset one
bank to 2 different
programme positions.

SUBPAGE

You may want to select a particular teletext page from several subpages which are rotated automatically. If you want to select one subpage, follow the operations below:

- 1 Using Δ + or ∇ -, select ON for the SUBPAGE setting and press OK.
- 2 To select the desired subpage, enter four digits using PROGR +/- or the number buttons. (e.g. enter 0002 for the second page of a sequence).

User Page Bank System

You can store up to 30 pages in the »Teletext page bank system«. In this way you have quick access to the pages you watch frequently.

Storing pages

There are 5 »banks« (A to E) for 5 teletext stations. In each bank you can store 6 preferred pages (1P to 6P).

- 1 Press OK (if Teletext is not on already) and MENU to show the TELETEXT MENU display.
- 2 Select PRESET USER PAGES with Δ + or ∇ - and press OK.
- 3 Select the desired bank with Δ + or ∇ - and press OK. The cursor will go to the first position (P1) of the preferred pages.
- 4 Input the three digits of your first preferred page with the number buttons and press OK. The cursor will go to the second position.
- 5 Repeat step 4 for the other 5 page numbers you want to preset. If you do not want to preset all 6 page numbers available, press OK without inserting any number.
- 6 Select »Allocate Bank« with Δ + or ∇ - and press OK.
- 7 Select the programme position for which you have preset pages with Δ + or ∇ - and press OK. (See Fig. 39).
- 8 Select the desired bank with Δ + or ∇ - (Banks A to E are available) and press OK.
- 9 Repeat steps 3 to 8 for the other 4 banks available.

Displaying User Pages

- 1 Select MENU.
- 2 Select »USER PAGES« with Δ + or ∇ - and press OK. A table of the stored preferred pages will be displayed. (See Fig. 40.)
- 3 Select the desired page with Δ + or ∇ - and press OK. The page will be displayed after some seconds.

PRESET USER PAGES						
BANK	P1	P2	P3	P4	P5	P6
A	320	256	450	324	398	178
B	200	150	351	353	359	545
C	100	220	309	444		
D	120	221	356			
E	400	226	246	116	127	

Allocate Bank						
PROG LABEL	BANK	PROG LABEL	BANK			
01	MCC 1	A	06	MTV	D	
02	MCC 2	C	06	ITV	G	

Select OK and press OK

Fig. 39.

USER PAGES BANK B	
PAGE	300
PAGE	200
PAGE	200
PAGE	300
PAGE	124
PAGE	150
Select OK and press OK	

Fig. 40.

1-8. CONNECTING AND OPERATING OPTIONAL EQUIPMENT

Connecting Optional Equipment

You can connect optional audio-video equipment to this TV such as VTRs, video disc players, and stereo systems.

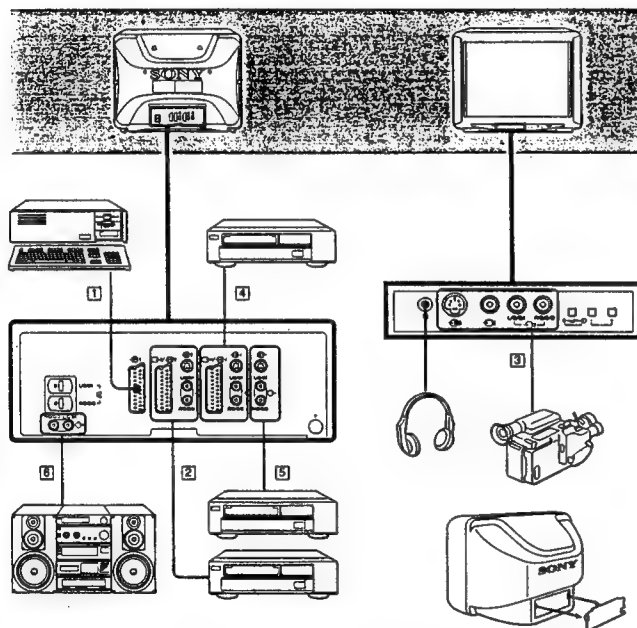
To connect a VTR using the "I" terminal
Connect the serial output of the VTR to the aerial terminal "I" of the TV.
We recommend that you tune in the video signal to programme number "0". For details see «Preset channels manually» on page 9.

If the picture or the sound is distorted
Move the VTR away from the TV.

Note:
After having connected all optional equipment to the TV, attach the supplied cover onto the rear panel (See illustration at the right).

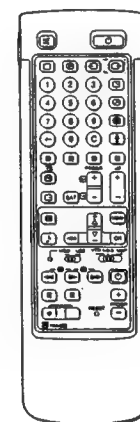
S video Input (Y/C input)
Video signals may be separated into Y (luminance or brightness) and C (chrominance) signals. Separating the Y and C signals prevents them from interfering with one another, and therefore improves picture quality (especially luminance). This TV is equipped with 3 S Video input jacks through which these separated signals can be input directly.

When connecting a monaural VTR
Connect only the white "C" jack to both the TV and VTR.



Acceptable input signal	Available output signal
1 Normal audio/video and RGB signal	Video/audio from TV tuner
2 Normal audio/video and S video signal	Video/audio from selected source
3 Normal audio/video and S video signal	No outputs
4 Normal audio/video and S video signal	Video/audio displayed on TV screen (monitor out)
5 No inputs	S video/audio signal displayed on TV screen (monitor out)
6 No inputs	Audio signal (variable)

Selecting input with
PROGR +/- or number buttons
You can preset video input sources to the programme positions so that you can select them with PROGR +/- or number buttons. For details, see «Preset channels manually» on page 9.



Selecting input and output

This section explains how to view the video input picture (of the video source connected to your TV), and how to select the output signal using direct access buttons or the menu system.

Selecting input

Press \ominus repeatedly to select the input source.
The symbol of the selected input source will appear.

To go back to the normal TV picture

Press \square .

Input modes

Symbol	Input signal
$\ominus 1$	Audio/video input through the $\ominus 1$ connector
$\ominus 2$	RGB Input through the $\ominus 1$ connector
$\ominus 2$	Audio/video input through the $\ominus 2/\ominus 2$ connector
$\ominus 2$	S video input through the $\ominus 2/\ominus 2$ or $\ominus 2$ connector
$\ominus 3$	Audio/video input through $\ominus 3$ and $\ominus 4$ on the front
$\ominus 3$	S video input through the $\ominus 3$ connectors on the front (4-pin connector)
$\ominus 4$	Audio/video input through the $\ominus 4/\ominus 4$ connector
$\ominus 4$	S video input through the $\ominus 4/\ominus 4$ or $\ominus 4$ connector (4-pin connector)

You can also select the input mode using the $\rightarrow \leftarrow$ and $\rightarrow \leftarrow$ buttons on the TV.

In this case, first select \ominus , and then press $\rightarrow \leftarrow$ buttons to select the input.

Selecting the output

The $\ominus 2/\ominus 2$ connector outputs the source input from the other connectors.

Press \ominus repeatedly to select the output.

The symbol of the selected output source appears.

Output modes

Symbol	$\ominus 2/\ominus 2$ connector outputs
1 \ominus	The audio/video signal from the $\ominus 1$ connector
2 \ominus	The audio/video signal from the $\ominus 2/\ominus 2$ connector
2 \ominus	The audio/S video signal from the $\ominus 2/\ominus 2$ connector
3 \ominus	The audio/video signal from the $\ominus 3$ e $\ominus 3$ connectors
3 \ominus	The audio/S video signal from the $\ominus 3$ e $\ominus 3$ connectors
4 \ominus	The audio/video signal from the $\ominus 4/\ominus 4$ connector
4 \ominus	The audio/S video signal from the $\ominus 4/\ominus 4$ connector
TV \ominus	The audio/video signal from the "I" aerial terminal

Checking and selecting the input and output sources using the menu

You can display the menu to see which input sources are selected for the TV screen and PIP screen, and which output source is selected. You can also select them on the menu display.

- 1 Select "Video Connection" with $\Delta + \circ \nabla$ - and press OK. The VIDEO CONNECTION menu appears. (See Fig. 41). You can see which source is selected for the TV and PIP input, and for the output. If you want to select the input and output on this menu, go on to the next step.
- 2 Select TV screen (input source for the TV screen), PIP (input source for the PIP screen), or Output (output source) with $\Delta +$ or $\nabla -$ and press OK. One of the source items changes colour. (See Fig. 42.)
- 3 Select the desired source with $\Delta + \circ \nabla -$. (See Fig. 43.) For details about each source, see the table on page 22.
- 4 Press OK. The selected source is confirmed, and the cursor appears. (See Fig. 44.)
- 5 Repeat steps 2 to 4 to select the source for other inputs or outputs.

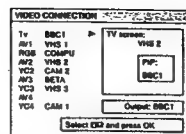


Fig. 41.

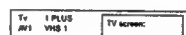


Fig. 42.

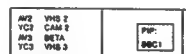


Fig. 43.

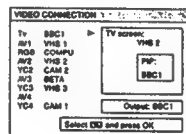
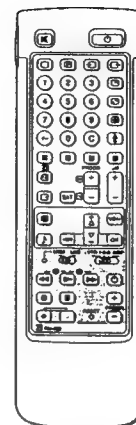


Fig. 44.



When recording
When you use the \bullet (record) button, make sure to press this button and the one to the right of it simultaneously.

- Do not move the Remote Commanders during programming.
- After programming, check to see if all the programmed functions work. It may be the case, that a function cannot be programmed.
- When you want to operate the audio or video equipment Make sure that the VTR 1/2/3 MDP selector is set to the position you used during programming.
- When you replace the Remote Commander batteries, the programmed functions remain stored for 30 minutes without a battery.
- When the memory of the programmable Remote Commander is full, the MEM indicator lights up.

Remote Control of Other Equipment

You can use the TV Remote Commander to control other remote-controlled equipment. The buttons for video operation have been factory-set to control most of Sony video equipment, such as: Beta, 8mm or VHS VTRs or video disc players. Additionally you can programme these buttons to control also audio and video equipment of other manufacturers.

Tuning the Remote Commander to Sony equipment

- 1 Set the VTR 1/2/3 MDP selector according to the equipment you want to control:

VTR 1: Beta or ED Beta VTR

VTR 2: 8mm VTR

VTR 3: VHS VTR

MDP: Video disc player

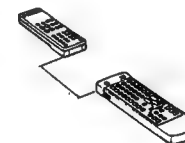
- 2 Use the buttons indicated in the illustration to operate the additional equipment. If your video equipment is furnished with a COMMAND MODE selector set this selector to the same position as the VTR 1/2/3 MDP selector on the TV Remote Commander. If the equipment does not have a certain function, the corresponding button on the Remote Commander will not operate.

Tuning the Remote Commander to audio or video equipment of other manufacturers

Your TV Remote Commander is a programmable Remote Commander. This means that you can programme the buttons indicated in the illustration with functions of other Remote Commanders. A function can be stored on any of the buttons and on all four levels of the VTR 1/2/3 MDP selector.

Programming a function

- 1 Set the MEM/USE switch to MEM (memorize).
- 2 Set the VTR 1/2/3 MDP selector to the desired position.
- 3 Position the two Commanders head to head (see illustration).
- 4 First press the button on the TV Remote Commander onto which you want to programme a function. Now the MEM indicator on the Remote Commander lights up.
- 5 Then press the button on the other Remote Commander, the function of which you want to programme. As soon as the MEM indicator goes out, the function is stored.
- 6 Repeat steps 4 and 5 for all other functions you want to programme. When you have programmed all buttons on one level of the VTR 1/2/3 MDP selector, select another level.
- 7 When you have finished programming, set the MEM/USE switch to USE.



Clearing programmed functions

- 1 Set the MEM/USE switch to MEM.
- 2 Set the VTR 1/2/3 selector to the level of functions you want to clear.
- 3 Press any of the programmable buttons. Now the MEM indicator lights up.
- 4 Keep the RESET button pressed, using the tip of a pen, until the MEM indicator has flashed four times. Now all programmed functions on this level are cleared.
- 5 Reset the MEM/USE switch to USE.

1-9. FOR YOUR INFORMATION

Troubleshooting

Here are some simple solutions to problems which may affect the picture and sound.

Problem	Solution
No picture (screen is dark), no sound	<ul style="list-style-type: none"> • Plug the TV in. • Press \odot on the TV. (If \odot indicator is on, press \square or a programme number on the Remote Commander.) • Check the aerial connection. • Check if the selected video source is on. • Turn the TV off for 3 or 4 seconds and then turn it on again using \odot.
Poor or no picture (screen is dark), but good sound	<ul style="list-style-type: none"> • Press \blacksquare to enter the PICTURE CONTROL menu and adjust »Brightness«, »Contrast« and »Colour«.
Good picture but no sound	<ul style="list-style-type: none"> • Press $\Delta +$. • If K is displayed on the screen, press K.
No colour for colour programmes	<ul style="list-style-type: none"> • Press \blacksquare to enter the PICTURE CONTROL menu, select »Reset«, then press OK.
Remote Commander does not function	<ul style="list-style-type: none"> • The batteries are weak. • Set the MEM/USE switch to USE.

If you continue to have problems, have your TV serviced by qualified personnel. Never open the casing yourself.

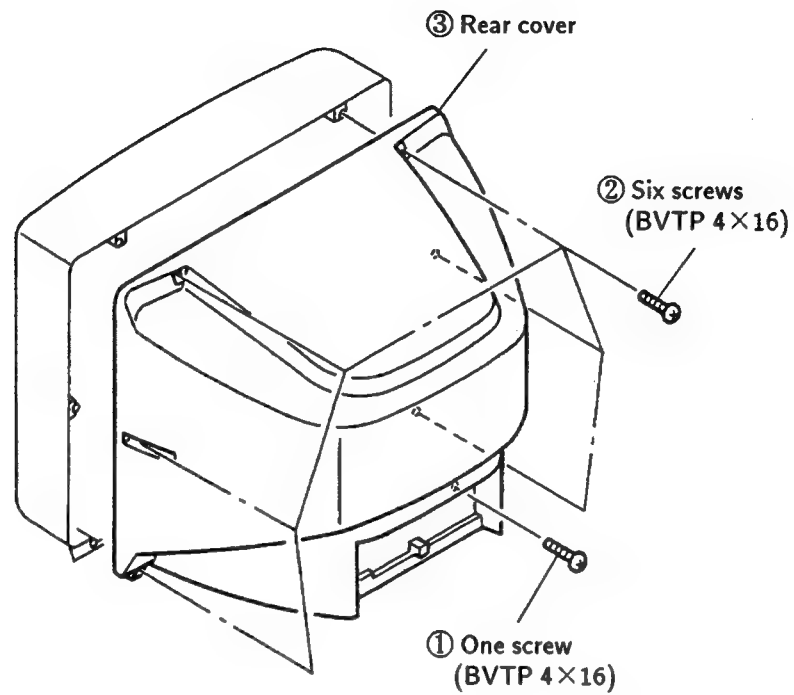
Television Channel Number Guide

Only the main transmitters are listed. Information regarding the regional sub-relay channel numbers can be obtained by contacting
The BBC Engineering Information Dept. (081) 752 5040.

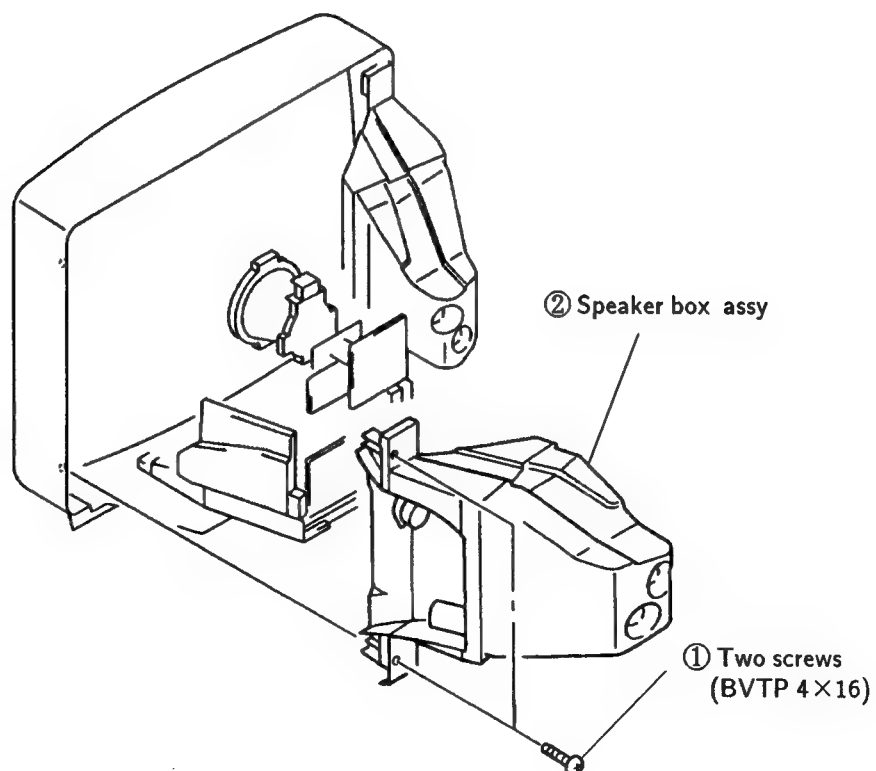
MAIN TRANSMITTERS	BBC1	BBC2	ITV	CH4
London & South East				
Bluebell Hill	40	46	43	65
Crystal Palace	26	33	23	30
Dover	50	56	66	53
Heathfield	49	52	64	67
Oxford	57	63	60	53
South-West				
Beacon Hill	57	63	60	53
Caradon Hill	22	28	25	32
Huntshaw Cross	55	62	59	65
Redruth	51	44	41	47
Stockland Hill	33	26	23	29
Channel Islands				
Fremont Point	51	44	41	47
South				
Hannington	39	45	42	66
Midhurst	61	55	58	68
Rowridge	31	24	27	21
West				
Mendip	58	64	61	54
East				
Sandy Heath	31	27	24	21
Sudbury	51	44	41	47
Tacoineston	62	55	59	65
Midlands				
Ridge Hill	22	28	25	32
Sutton Coldfield	46	40	43	50
The Wrekin	26	33	23	29
Wakham	56	64	61	54
Northern Ireland				
Brougher Mountain	22	28	25	32
Divis	31	27	24	21
Limavady	55	62	59	65
North				
Belmont	22	29	25	32
Emley Moor	44	51	47	41
North-West				
Winter Hill	55	62	59	65
Douglas (IOM)	68	66	48	56
North-East				
Bilsdale West Moor	33	26	29	23
Caldbeck	30	34	28	32
Chatton	39	45	49	42
Pontop Pike	56	64	61	54
Laxey (IOM)	58	64	61	54
Scotland				
Angus	57	63	60	53
Black Hill	40	46	43	50
Sandale	22	-	-	-
Caldbeck	-	34	28	32
Craigkelly	31	27	24	21
Darvel	33	26	23	29
Durris	22	28	25	32
Eitshal	33	26	23	29
Keelylang Hill	40	46	43	50
Knock More	33	26	23	29
Rosemarkle	39	45	49	42
Rumster Forest	31	27	24	21
Selkirk	55	62	59	65
Wales				
Blaenplwyf	31	27	24	21
Carmel	57	63	60	53
Llanddona	57	63	60	53
Moel-y-Parc	52	45	49	42
Presely	46	40	43	50
Wenvoe	44	51	41	47

SECTION 2 DISASSEMBLY

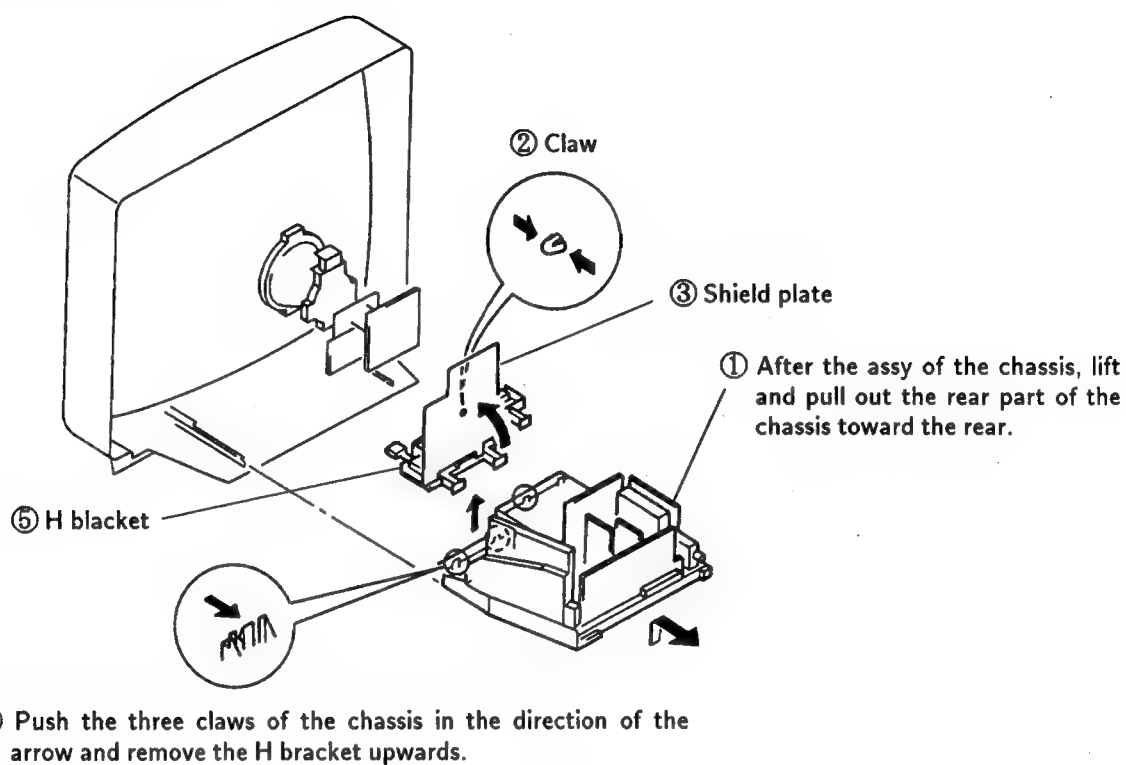
2-1. REAR COVER REMOVAL



2-2. SPEAKER REMOVAL

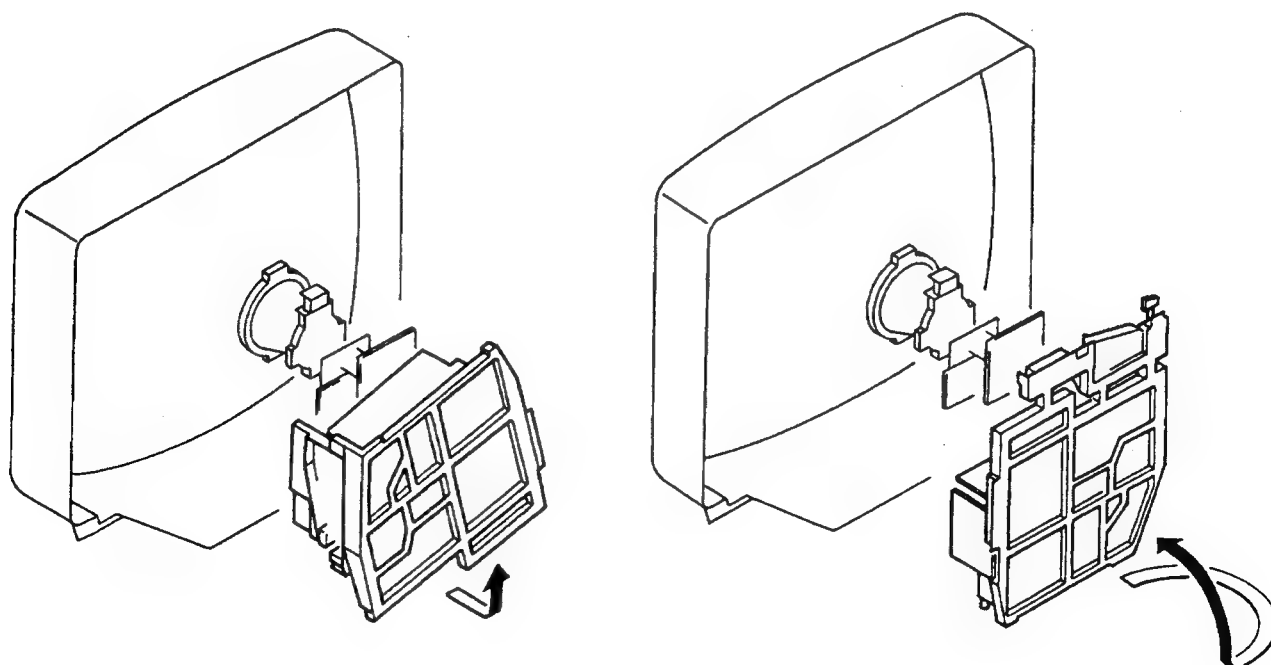


2-3. CHASSIS ASSY REMOVAL

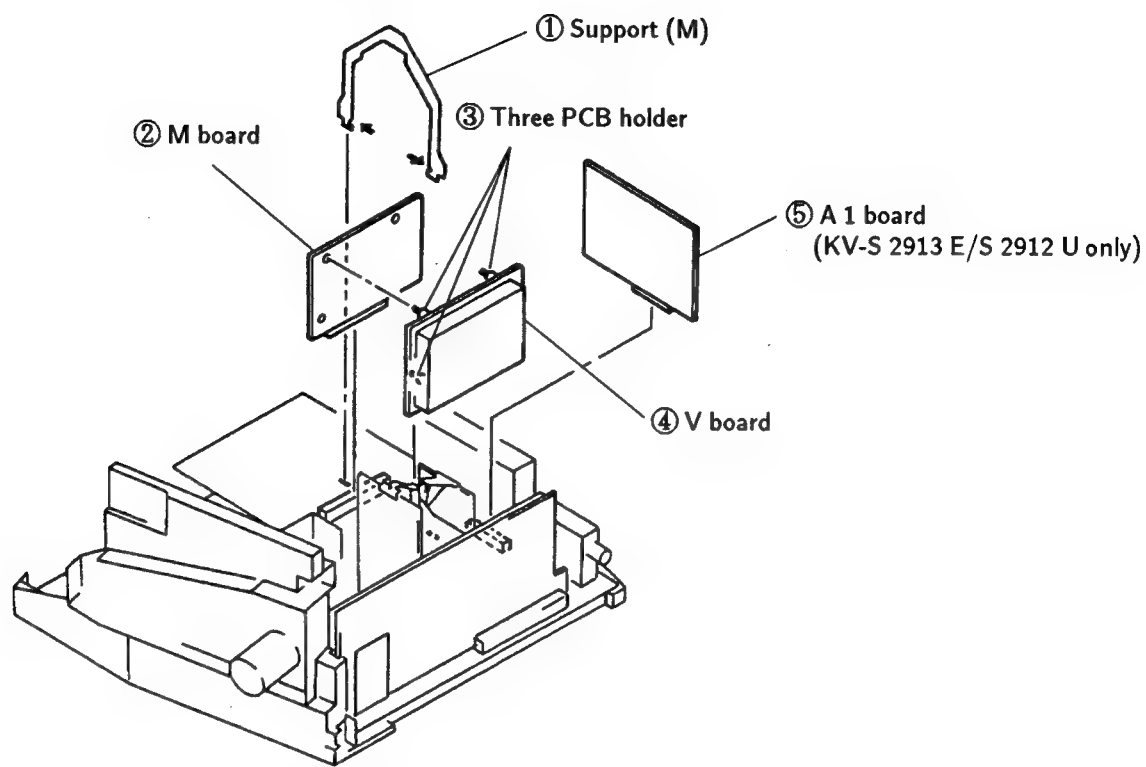


2-4. SERVICE POSITION

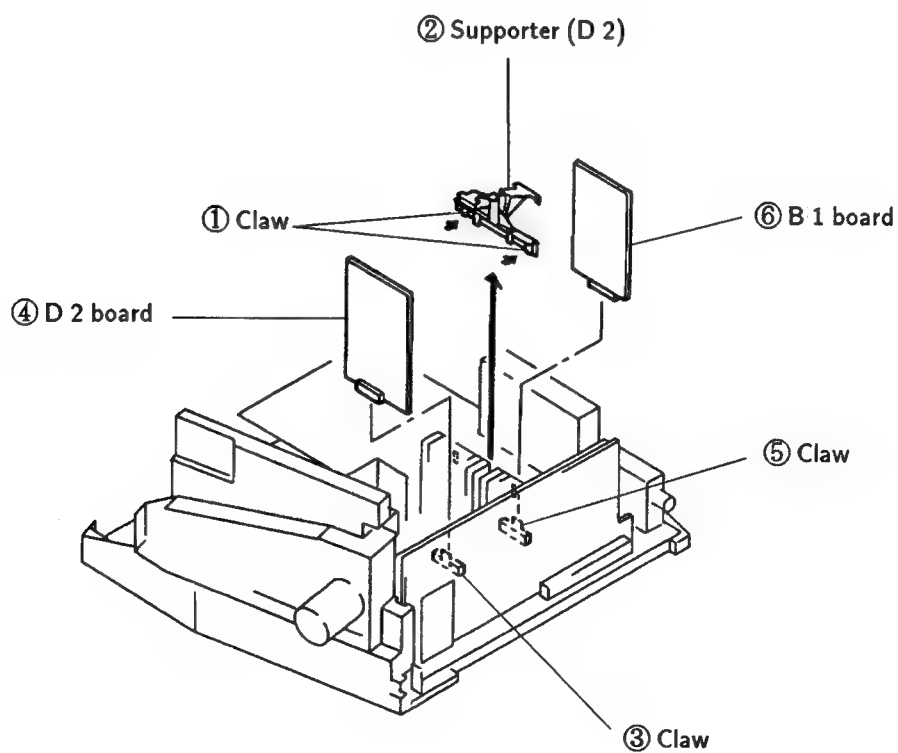
- ※ Remove the H bracket from the chassis assy and then perform the following servicing.
(Refer to 2-3. CHASSIS ASSY REMOVAL)



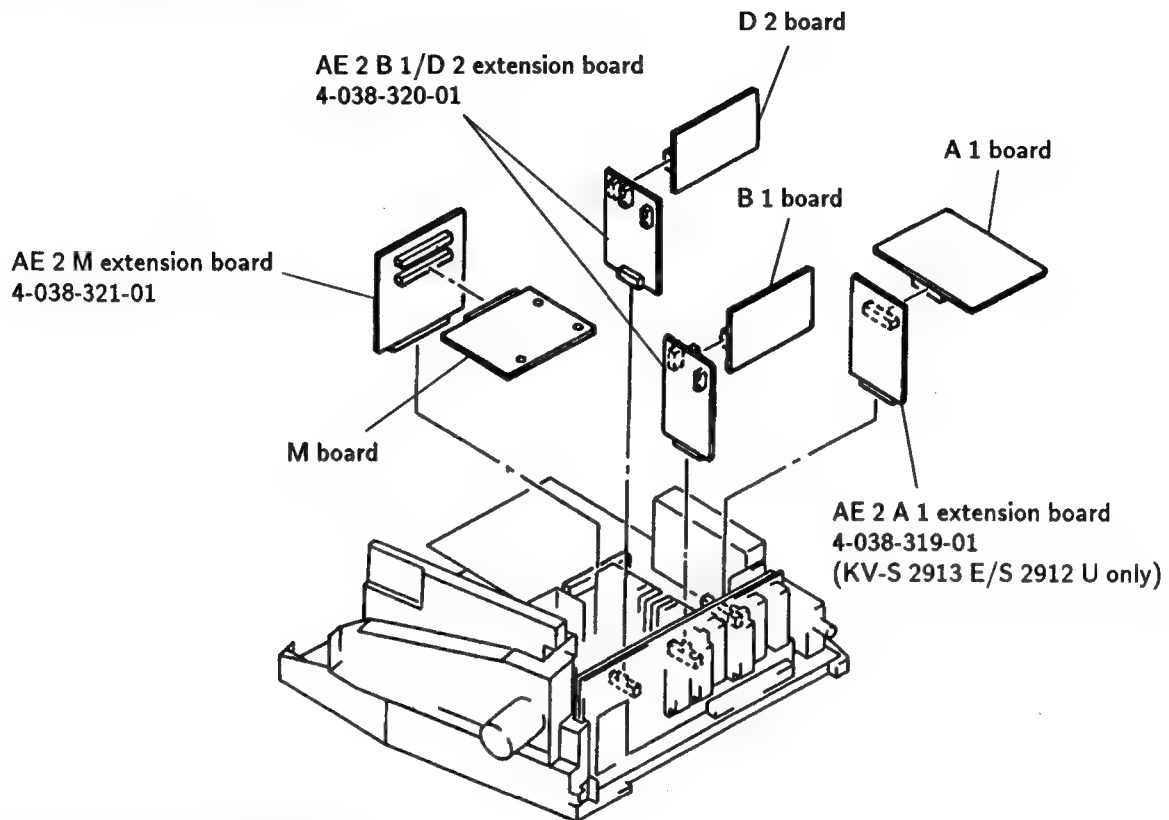
2-5. M, V AND A 1 BOARDS REMOVAL



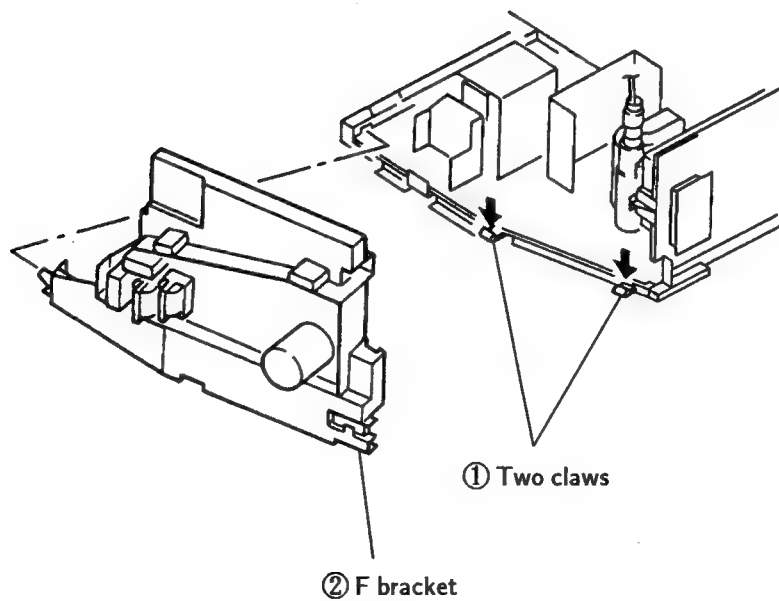
2-6. D 2 AND B 1 BOARDS REMOVAL



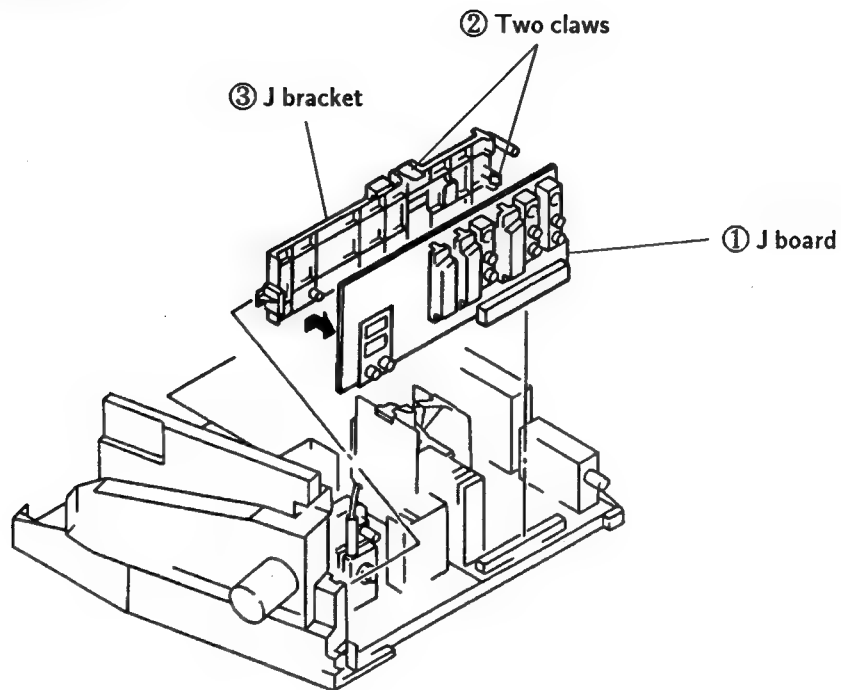
2-7. EXTENSION BOARD



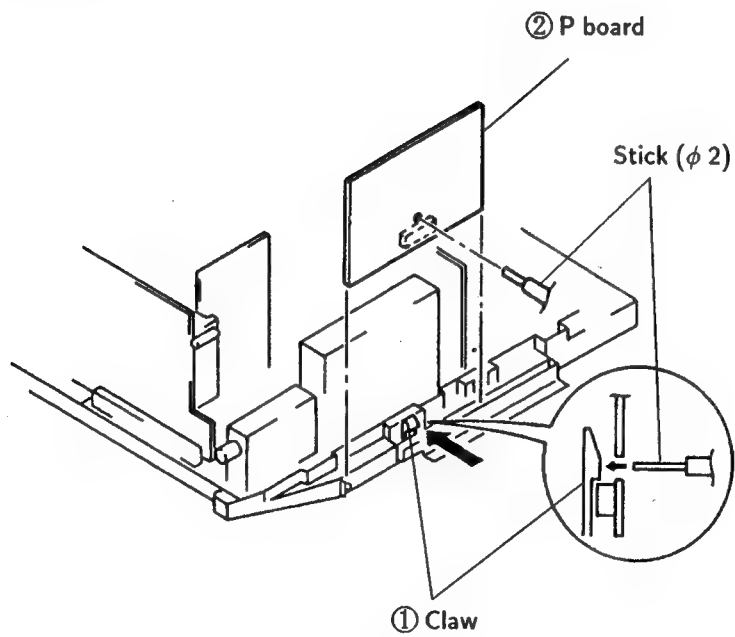
2-8. F BRACKET REMOVAL



2-9. J BOARD REMOVAL

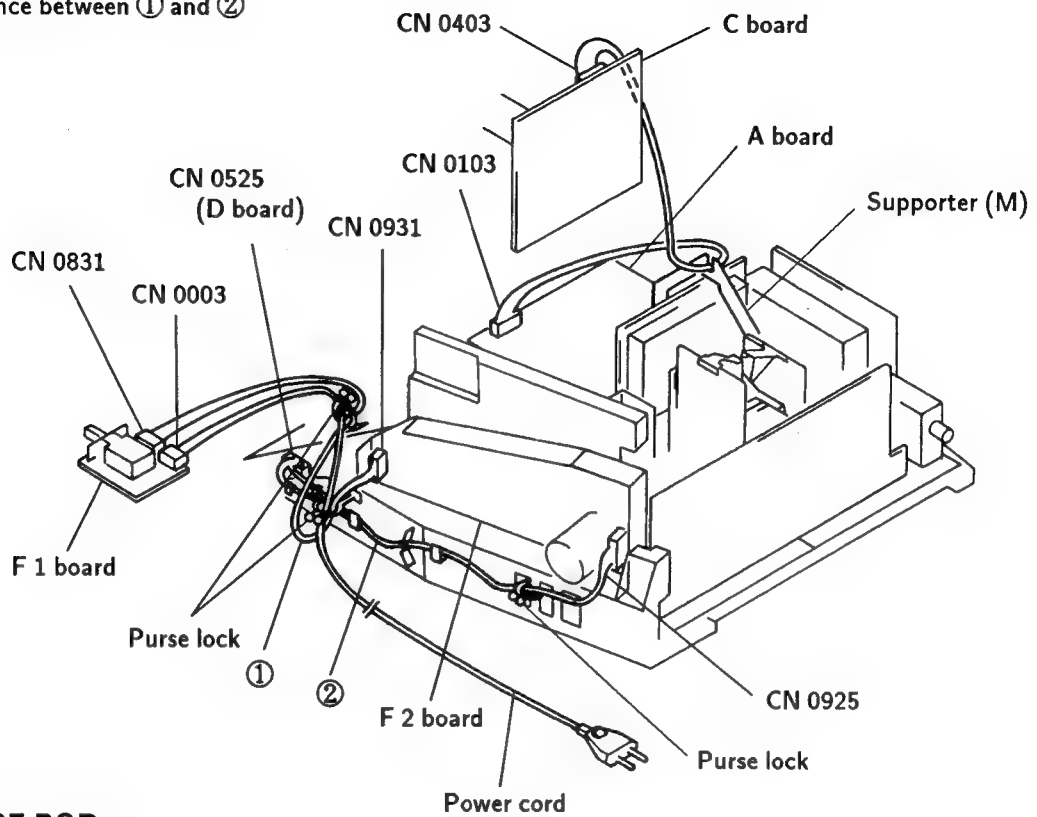


2-10. P BOARD REMOVAL

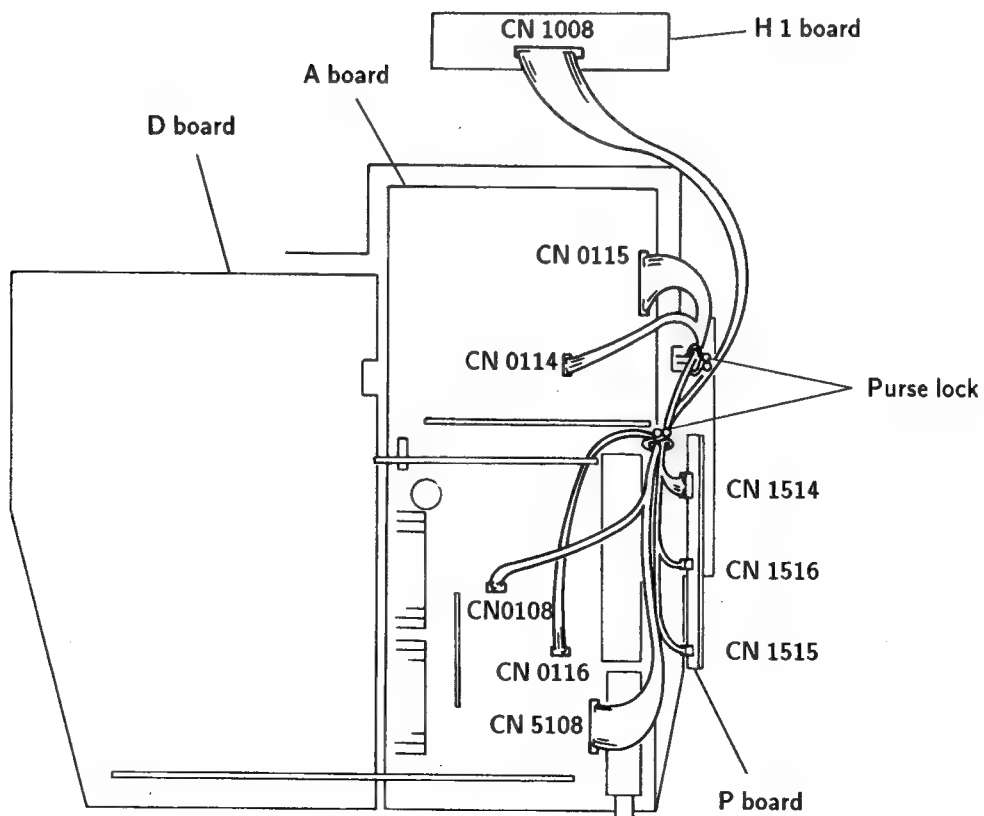


2-11-1. WIRE ROD

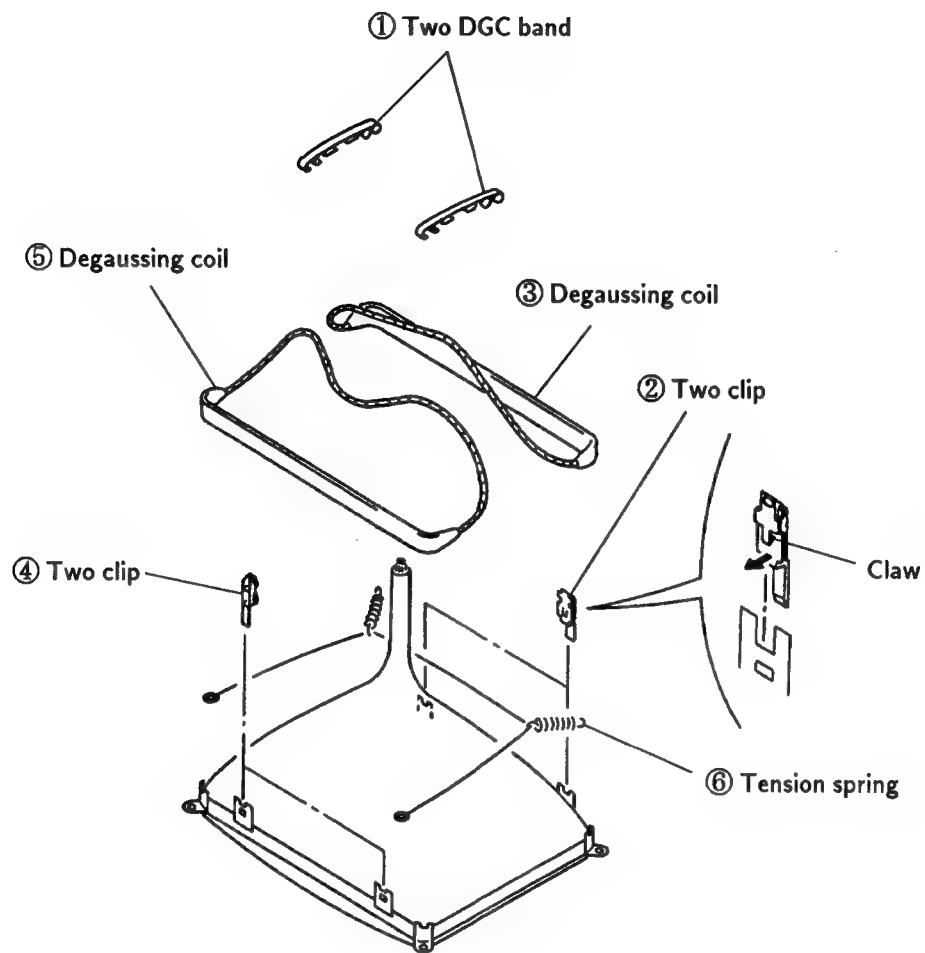
※ Keep distance between ① and ②



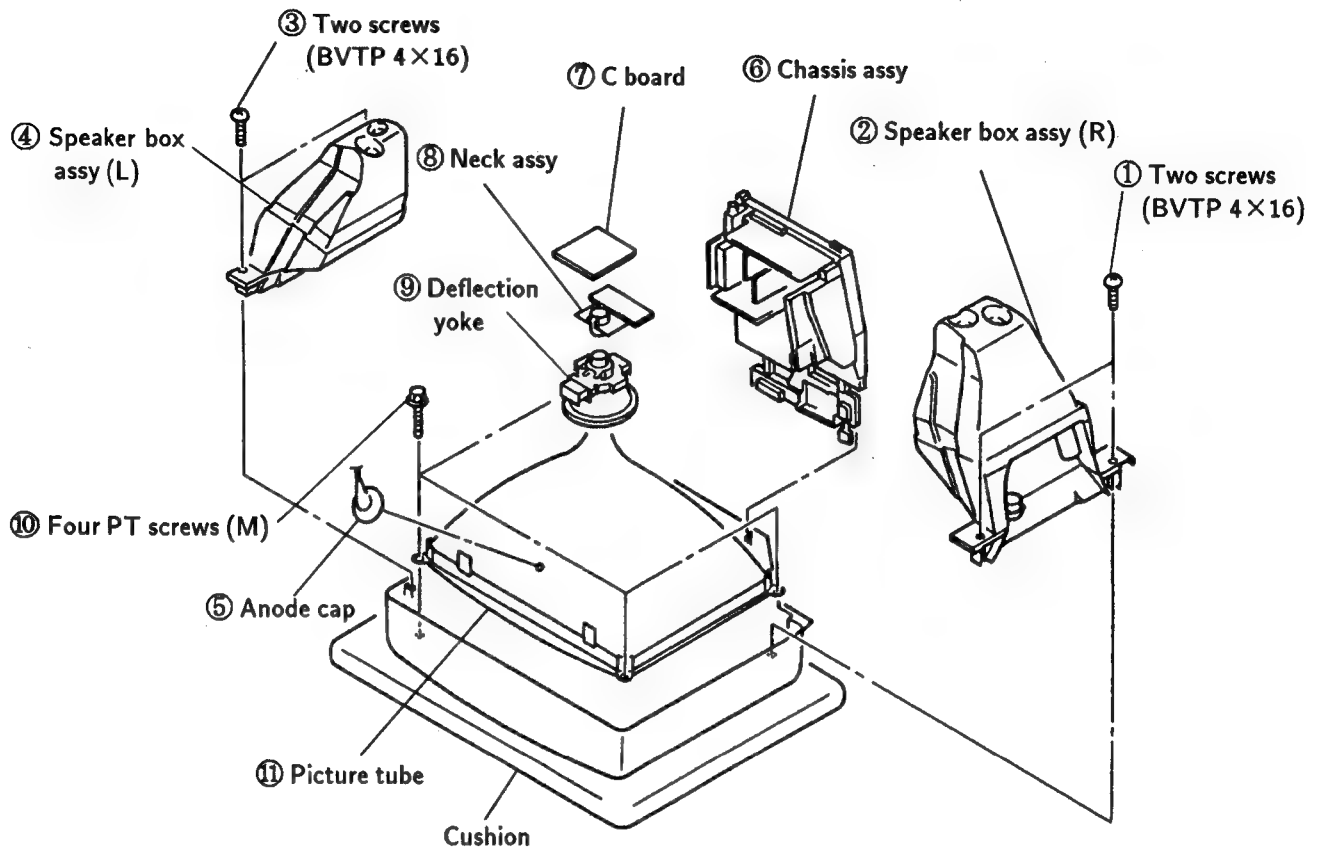
2-11-2. WIRE ROD



2-12. DEGAUSSING COIL REMOVAL



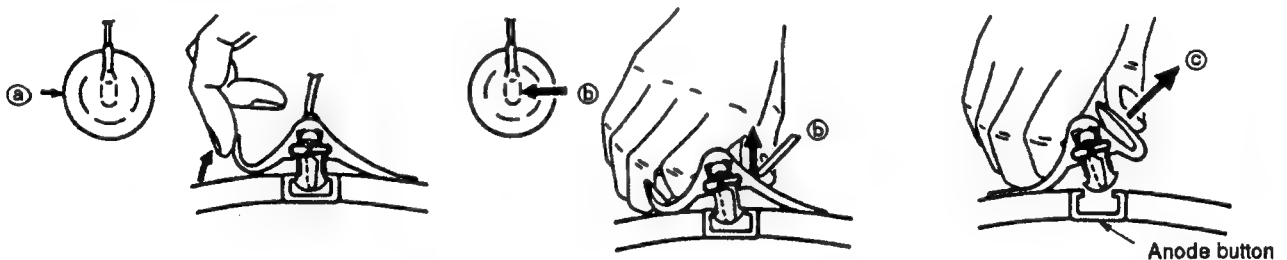
2-13. PICTURE TUBE REMOVAL



• REMOVAL OF ANODE-CAP

NOTE : Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon painted on the CRT, after removing the anode.

• REMOVING PROCEDURES



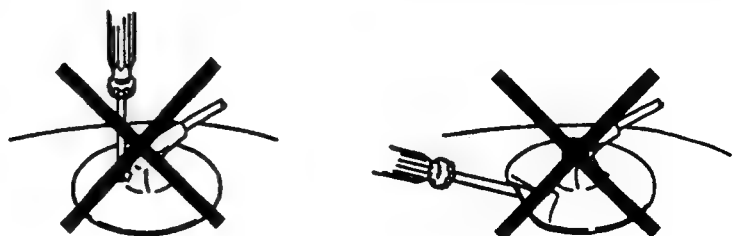
① Turn up one side of the rubber cap in the direction indicated by the arrow ①.

② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ②.

③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ③.

• HOW TO HANDLE AN ANODE-CAP

- ① Don't hurt the surface of anode-caps with sharp shaped material!
- ② Don't press the rubber hardly not to hurt inside of anode-caps!
A material fitting called as shatter-hook terminal is built in the rubber.
- ③ Don't turn the foot of rubber over hardly!
The shatter-hook terminal will stick out or hurt the rubber.



SECTION 3 SET-UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there is specific instruction to the contrary, carry out these adjustments with the rated power supply.
- Unless there is specific instruction to the contrary, set the controls and switches this way :
 - ⦿ Contrast 80% (or remote control normal)
 - ⚙ Brightness 50%

● Carry out the following adjustments in this order :

1. Beam landing
2. Convergence
3. Focus
4. White balance

Note: Testing equipment required.

1. Color bar/pattern generator
2. Degausser
3. DC power supply
4. Digital multimeter
5. Oscilloscope

Preparations :

- In order to reduce the influence of geomagnetism on the set's picture tube face it east or west.
- Switch on the set's power and degauss with the degausser.

3-1. BEAM LANDING

1. Input the white signal with the pattern generator.
 - Contrast } normal
 - Brightness }
2. Position neck assy as shown in Fig.3-2.
3. Set the pattern generator raster signal to red.
4. Move the deflection yoke to the rear and adjust with the purity control so that the red is at the center and the blue and the green take up equally sized areas on each side. (See Fig.3-1 - 3-3)
5. Move the deflection yoke forward and adjust so that entire screen is red. (See Fig.3-1)
6. Switch the raster signal to blue, then to green and verify the condition.
7. When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws.
8. If the beam does not land correctly in all the corners, use a magnet to adjust it. (See Fig.3-4)

Fig.3-2

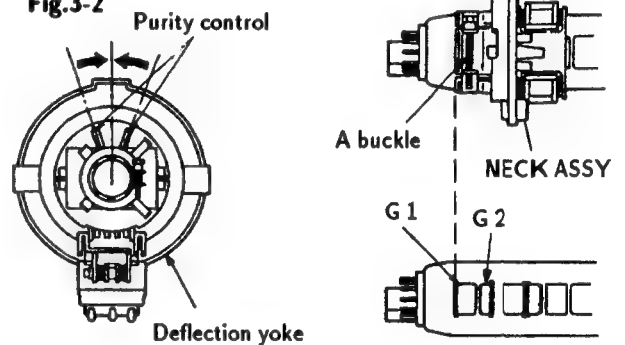


Fig.3-3

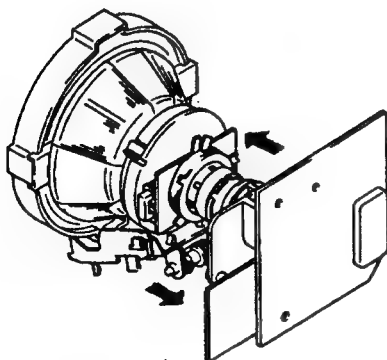
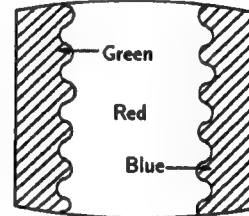


Fig.3-1

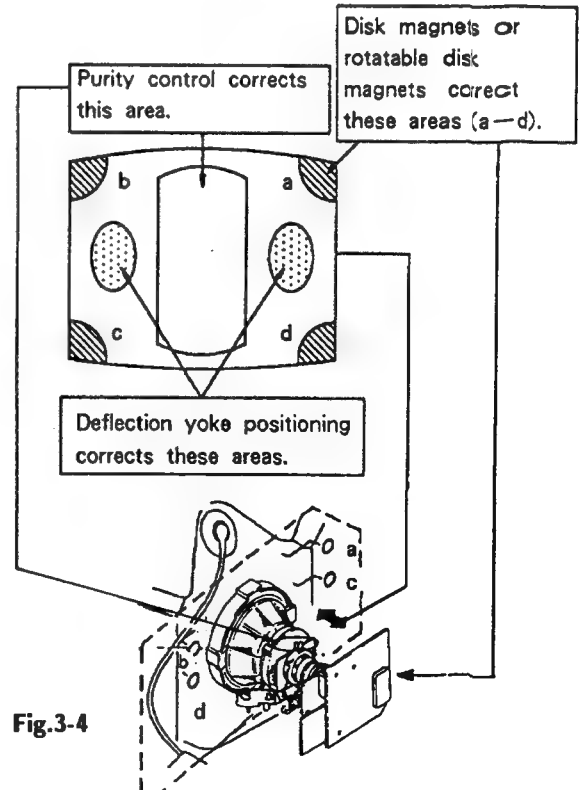


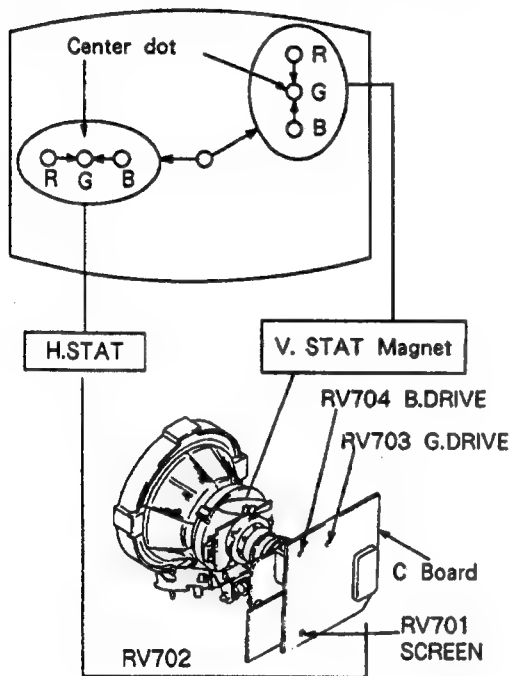
Fig.3-4

3-2. CONVERGENCE

Preparations :

- Before starting this adjustment, adjust the focus, horizontal size, and vertical size.
- Minimize the brightness setting.
- Provide dot pattern.

(1) Horizontal and vertical static convergence

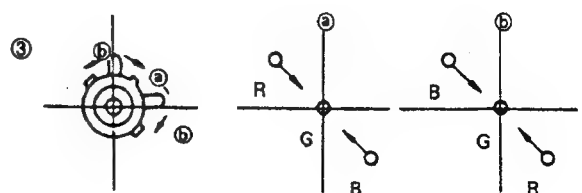
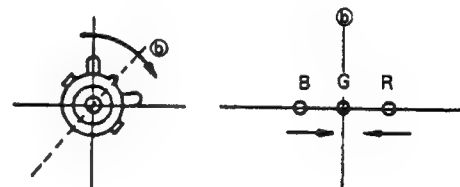
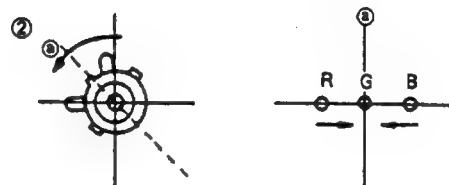
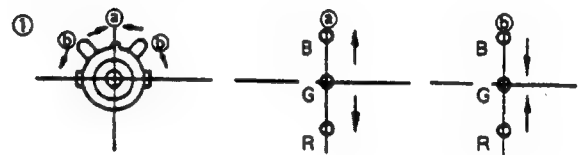


1. (Moving horizontally), adjust the H.STAT control so that the red, green, and blue points are on top of each other at the center of the screen.
2. (Moving vertically), adjust the V.STAT magnet so that the red, green, and blue points are on top of each other at the center of the screen.
3. If the H.STAT variable resistor cannot bring the red, green, and blue points together at the center of the screen, adjust the horizontal convergence with the H.STAT variable resistor and the V. STAT magnet in the manner given below.
(In this case, the H.STAT variable resistor and the V. STAT magnet influence each other)

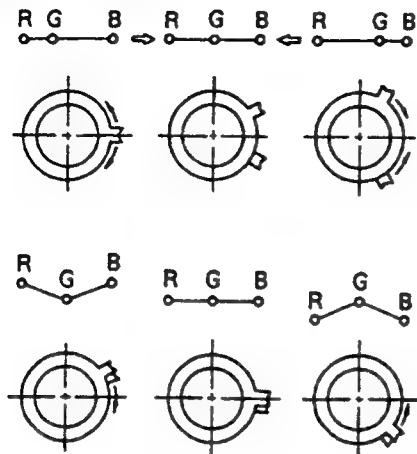
- Tilt the V. STAT magnet and adjust the static convergence by opening or closing the V. STAT magnet.



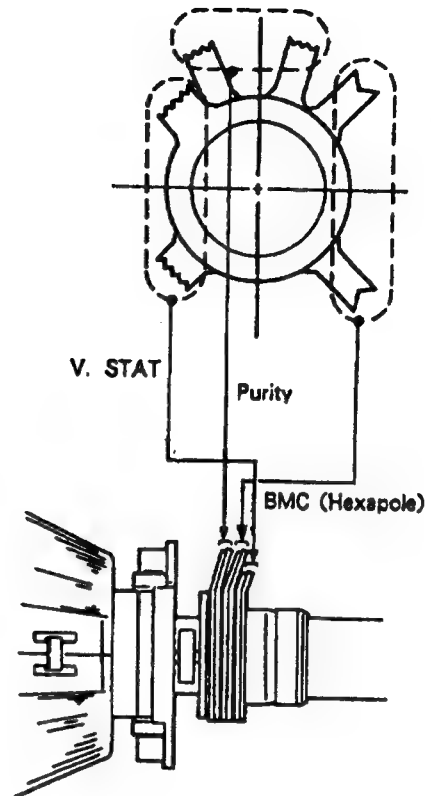
4. If the V. STAT magnet is moved in the direction of the ㉓ and ㉔ arrows, the red, green, and blue points move as shown below.



● Operation of BMC (Hexapole) Magnet



- The respective dot positions resulting from moving each magnet interact, so be sure to perform adjustment while tracking.
Use the H.STAT VR to adjust the red, green, and blue dots so they coincide at the center of screen (by moving the dots in the horizontal direction).

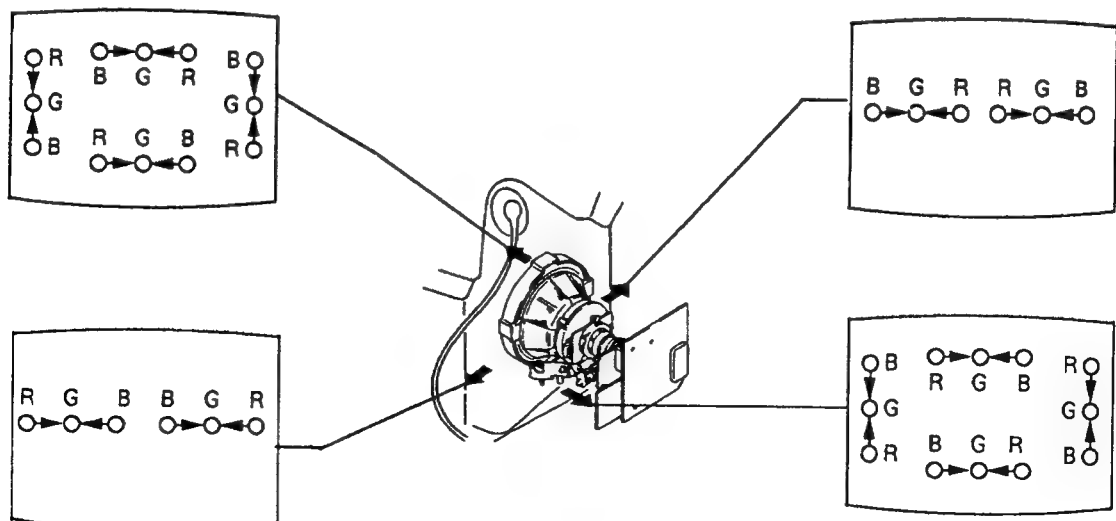


(2) Dynamic convergence adjustment

Preparations :

- Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence.
1. Slightly loosen the deflection yoke screws.

2. Remove the deflection yoke spacer.
3. Move the deflection yoke as shown in the figure below and optimize the convergence.
4. Tighten the deflection yoke screws.
5. Install the deflection yoke spacer.

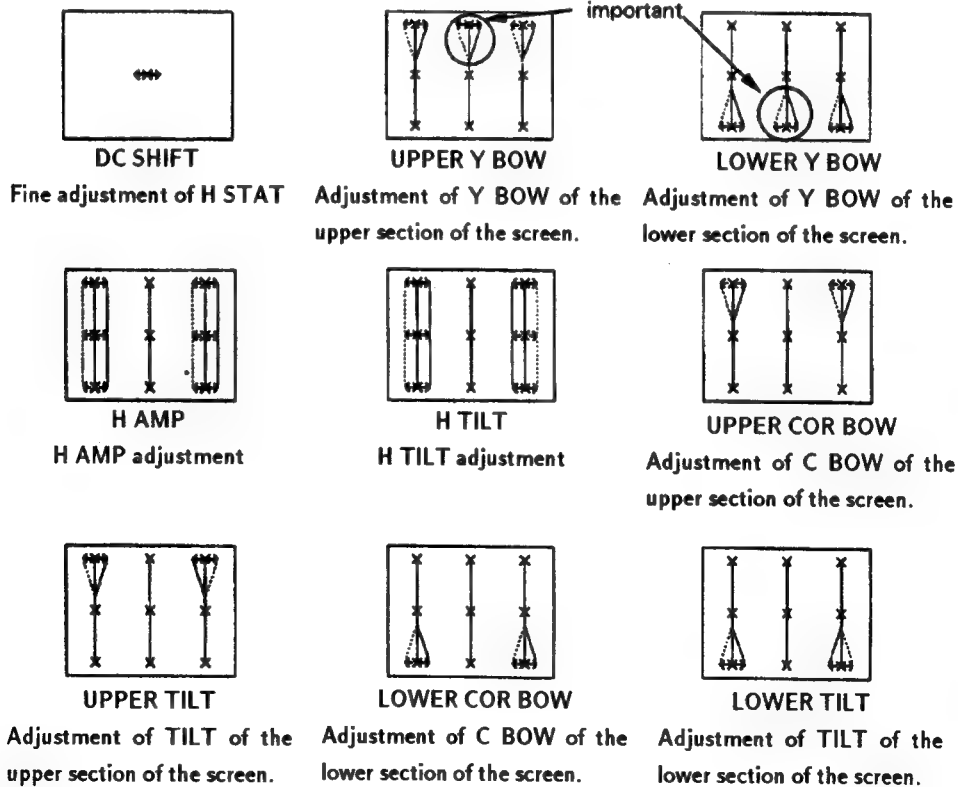


(2)Dynamic convergence adjustment

1. Adjust horizontal convergence located at the center position of the screen with H STAT VR.
2. Enter into service mode. (Refer to the section 2 "Electrical Adjustment" on how to enter service mode.)
3. Select CXA 1526 on menu.
4. Select each item and adjust them so that each item attains optimal convergence.
5. Press **OK** button to write the data.

CXA 1526		
1	DC SHIFT	(32)
2	UPPER Y BOW	(4)
3	LOWER Y BOW	(5)
4	H AMP	(48)
5	H TILT	(29)
6	UPPER COR BOW	(32)
7	UPPER TILT	
8	LOWER COR BOW	(32)
9	LOWER TILT	(32)

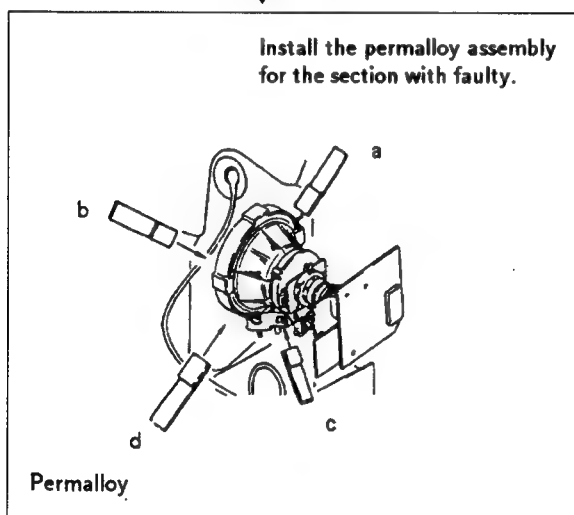
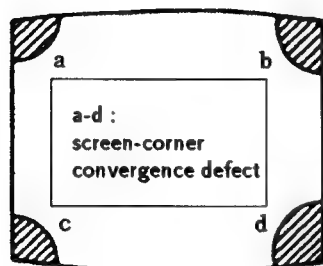
R.G.B.dots movement on the screen of the set



At this time, H.TILT, H.AMP, UPPER TILT, UPPER COR, BOW, LOWER TILT, and LOWER COR, BOW look like all the same, but the movement of the right and left dots are reverse in all the TILT system. (Pay attention to the dotted lines.)

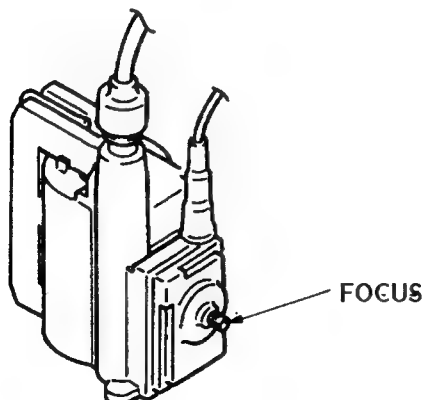
(4) Screen corner convergence

If you cannot adjust corner convergence properly, correct them with permalloy.



3-3. FOCUS

Adjust the focus to optimize the screen.



3-4. WHITE BALANCE

Screen G2 Setting

1. Input the dot signal from the pattern generator.
2. Set the picture brightness control to its lowest level.
3. Apply 180V DC to the R,G, and B cathodes with an external power supply.
4. While watching the picture, adjust G 2 control RV 701 (Screen) to the point just before the return lines disappear.

White balance adjustment

1. Receive all-white signal.
2. Enter into service mode. (Refer to the section 4 "Electrical Adjustment" to how to enter service mode.)
3. Select CXA 1587 on menu.

09	SUB BRIGHT	ADJ.
10	SUB HUE	7
11	VM LEVEL	2
12	NR LEVEL	0
13	ABL MODE	0
14	G-DRIVE	ADJ.
15	B-DRIVE	ADJ.
16	G-AUTO CUT OFF	ADJ.
17	B-AUTO CUT OFF	ADJ.
18	R-MANUAL CUT OFF	ADJ.
19	G-MANUAL CUT OFF	ADJ.
20	B-MANUAL CUT OFF	ADJ.

4. Set picture to MAX.
5. Adjust G-DRIVE B-DRIVE with buttons so that the white balance becomes optimum.
6. Press **OK** button to write the data for each item.
7. Set picture to MIN.
8. Adjust G-AUTO CUT OFF, B-AUTO CUT OFF, R-MANUAL CUT OFF, G-MANUAL CUT OFF and B-MANUAL CUT OFF with buttons so that the white balance becomes optimum.
9. Press **OK** button to write the data for each item.

SECTION 4 CIRCUIT ADJUSTMENTS

4-1. ELECTRICAL ADJUSTMENTS

Service adjustment to this model can be performed with the supplied remote commander, RM-832.

HOW TO ENTER INTO SERVICE MODE

1. Turn on the main power switch of the set while pressing any two buttons on the front panel.

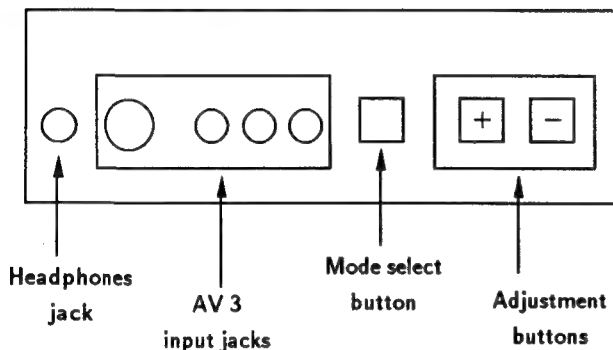


Fig.4-1

2. "TT" will appear on the upper right corner of the screen.

Command operation in service mode

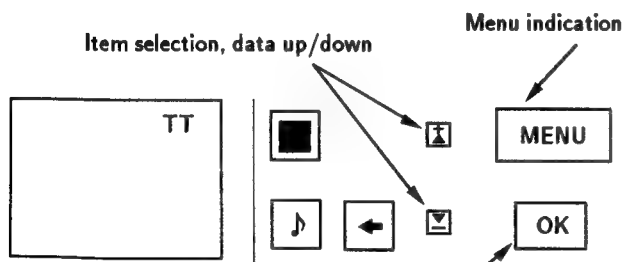


Fig.4-2

Fig.4-3

3. Press the **MENU** button of the commander to get the menu on screen.

MAIN MENU	
Programme Table	
Video Connection	
Timer	
Preset	
Picture Control	
Sound Control	
Language	
> DEMO	
Select and press OK	

Fig.4-4

4. Press the and buttons of the commander and move > to DEMO.
5. Press **OK** button to proceed to the next menu.
6. The menu of fig.4-5 will appear on screen. Select DEVICE corresponding to the adjustment item from the table on next page.

DEVICES	
Initialize	
> CXA 1587	
CXD 2018	
TDA 9145	
CXA 1526	
TDA 6612	
CX 7948 A	
P/P SERVICE	
Select and press OK	

Fig.4-5

7. If adjustment item is CXA 1587, press the button and move > to CXA 1587.

CXA 1587

Item No.	Adjustment item	Data Amount
01	PICTURE	53
02	COLOR	31
03	BRIGHT	31
04	HUE	31
05	SHARPNESS	7
06	RGB PICTURE	13
07	SUB CONTRAST	ADJ.
08	SUB COLOR	ADJ.
> 09	SUB BRIGHT	ADJ.
10	SUB HUE	7
11	VM LEVEL	2
12	NR LEVEL	0
13	ABL MODE	0
14	G-DRIVE	ADJ.
15	B-DRIVE	ADJ.

8. Press **OK** button to get the next selection menu.
9. Press button and move > to the adjustment item and press **OK** button.
10. Press the and buttons to change the data in order to comply each standard.
11. Press **OK** button to write data.
12. Turn off the power to quit service mode when completing the adjustment.

CX A 1587

01	PICTURE	53
02	COLOR	31
03	BRIGHT	31
04	HUE	31
05	SHARPNESS	7
06	RGB PICTURE	13
07	SUB CONTRAST	ADJ.
08	SUB COLOR	ADJ.
09	SUB BRIGHT	ADJ.
10	SUB HUE	7
11	VM LEVEL	2
12	NR LEVEL	0
13	ABL MODE	0
14	G-DRIVE	ADJ.
15	B-DRIVE	ADJ.
16	G-AUTO CUT OFF	ADJ.
17	B-AUTO CUT OFF	ADJ.
18	R-MANUAL CUT OFF	ADJ.
19	G-MANUAL CUT OFF	ADJ.
20	B-MANUAL CUT OFF	ADJ.
21	GAMMA LEVEL	0
22	DC TRANSFER RATIO	3
23	DINAMIC PICTURE	0
24	Y FILTER ADJ	ADJ.
25	Y DELAY TIME	15
26	Y DELAY SWITCH 1	0
27	Y DELAY SWITCH 2	1
28	SHARPNESS LIMIT	ON
29	ALL BLK	OFF
30	H SHIFT	32
31	DAC TEST	ON
32	PRE/OVER SHOOT	7
33	SHARPNESS FO	2
34	SUB SHARPNESS	3
35	R MUTE	OFF
36	G MUTE	OFF
37	B MUTE	OFF

CX A 1526

1	DC SHIFT	32
2	UPPER Y BOW	4
3	LOWER Y BOW	5
4	H.AMP	48
5	H TILT	29
6	UPPER COR BOW	32
7	UPPER TILT	32
8	LOWER COR BOW	32
9	LOWER TILT	32

38	AGING 1	OFF
39	AGING 2	OFF
40	AKB OFF	ON
41	INHIBIT RGB	OFF
42	FORCED RGB	OFF
43	V/2 V	OFF
44	AXIS	PAL
45	HUE SW	OFF
46	V EXTENTION	OFF
47	AFC 1	1
48	AFC 2	0
49	AFC OFF	ON
50	REF.POSITION	0

CX D 2018

01	V SIZE	ADJ.
02	V SHIFT	ADJ.
03	S CORRECTION	ADJ.
04	V LINEARITY	ADJ.
05	H SIZE	ADJ.
06	PIN AMP	ADJ.
07	TILT	ADJ.
08	UPPER CORNER	ADJ.
09	LOWER CORNER	ADJ.
10	V BOW	ADJ.
11	ANGLE	ADJ.
12	HV COMP.V	13
13	HV COMP.H	8
14	FRAME SHIFT	OFF
15	FREE RUN 60 Hz	OFF
16	SYSTEM 60 Hz	OFF
17	ASPECT WIDE	OFF
18	DOUBLE SCAN	OFF
19	INTERLACE	ON
20	H SHIFT	32
21	N/S CORRECTION	ADJ.

Typical Value (OSD based)when receiving PAL Philips pattern.

TDA 6612

Stereo-Separation	30
-------------------	----

Should be adjusted twice 4 : 3 and 16 : 9 mode.

Y FILTER ADJUSTMENT

1. Input PAL RED pattern.
2. Connect an oscilloscope to CN 0403 ① pin (R OUT) on the C board.
3. Enter into service mode and press 3, 8.
4. Adjust data by Δ or ∇ to minimize the chroma element of CN 0403 ① pin.

SUB BRIGHTNESS ADJUSTMENT

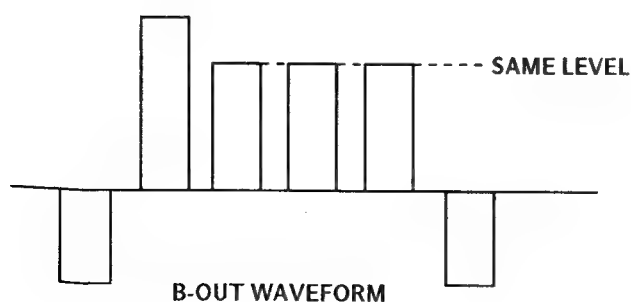
1. Input Phillips pattern.
2. Enter into service mode and press 23.
3. Adjust data so that 0-IRE of the grey scale and CUT -OFF 20-IRE glitter slightly.

SUB CONTRAST ADJUSTMENT

1. Input a video that contains small 100% area on the Black Back ground.
2. Enter into service mode and press 01 to have PIC max followed by 21.
3. Adjust data so that 2.5 Vp-p can be obtained at ① CN 0403 (R out).

SUB COLOR ADJUSTMENT

1. Input PAL color bar.
2. Connect an oscilloscope to CN 0403 ③ pin (B OUT) on the C board.
3. Enter into service mode and press 22 of CXA 1587, 8 SUB COLOR.
4. Adjust data so that the right sides of the waveform will be the same.



STEREO-SEPARATION ADJUSTMENT

1. Input 1 kHz stereo signal to the L-ch and 400 Hz stereo signal to the R-ch.
2. Enter into service mode and press 19.
3. Adjust data so that sound does not leak to the R-ch and the L-ch.

DRIVE AND CUT OFF

See direct test mode list attached and refer to sub brightness or such for adjustment method.

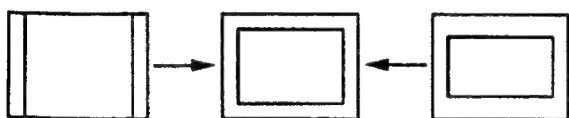
DEFLECTION SYSTEM ADJUSTMENT

1. Enter into service mode and select CXD 2018.
2. Select and adjust each item in order to get an optimum image.

CXD 2018

01	V SIZE	ADJ.
02	V SHIFT	ADJ.
03	S CORRECTION	ADJ.
04	V LINEARITY	ADJ.
05	H SIZE	ADJ.
06	PIN AMP	ADJ.
07	TILT	ADJ.
08	UPPER CORNER	ADJ.
09	LOWER CORNER	ADJ.
10	V BOW	ADJ.
11	ANGLE	ADJ.
12	HV COMP.V	13
13	HV COMP.H	8
14	FRAME SHIFT	OFF
15	FREE RUN 60 Hz	OFF
16	SYSTEM 60 Hz	OFF
17	ASPECT WIDE	OFF
18	DOUBLE SCAM	OFF
19	NON INTERLACE	ON
20	H SHIFT	32
21	N/S CORRECTION	ADJ.

V SIZE



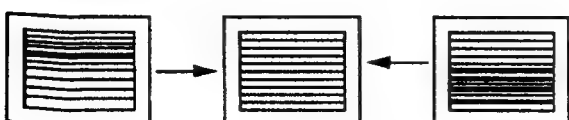
V SHIFT



S CORRECTION



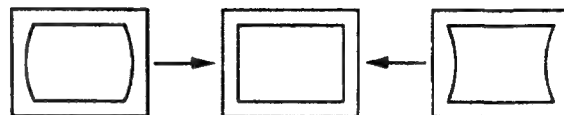
V LINEARITY



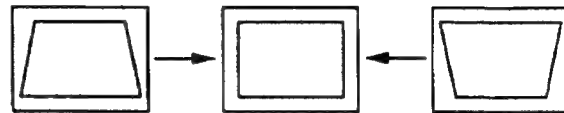
H SIZE



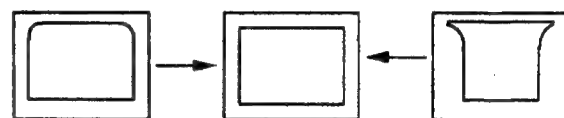
PIN AMP



TILT



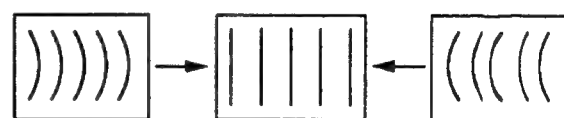
UPPER CORNER PIN



LOWER CORNER PIN



V BOW



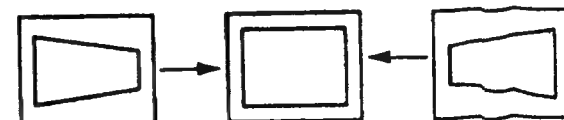
ANGLE



H SHIFT



N/S CORRECTION



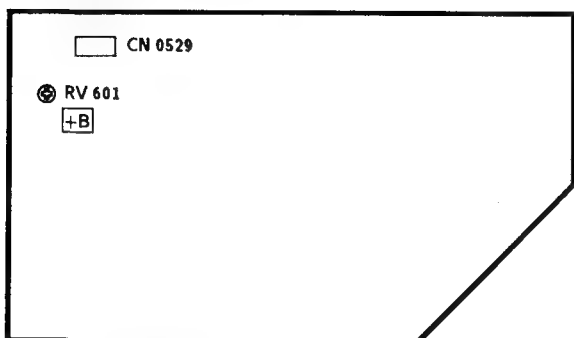
3. Press **OK** button to write the data.

If menu display may disturb the adjustment press **ESC** to clear, to resume it, press **ESC** again.

4-2. VOLUME ELECTRICAL ADJUSTMENTS

+B (+135 V) ADJUSTMENT (RV 601)

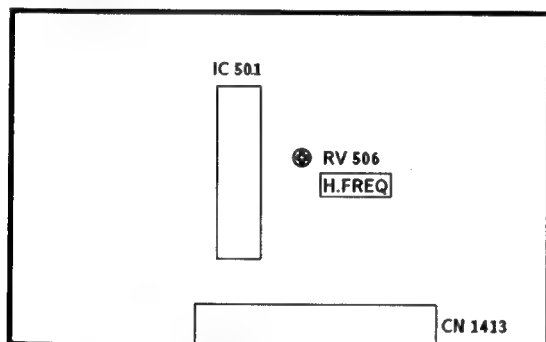
D BOARD



1. Turn on the power of the TV set.
2. Connect a digital multi-meter to ① pin of CN 0529 on D board.
3. Adjust RV 601 on D board to $+135 \pm 0.5$ V.

H.FREQ ADJUSTMENT (RV 506)

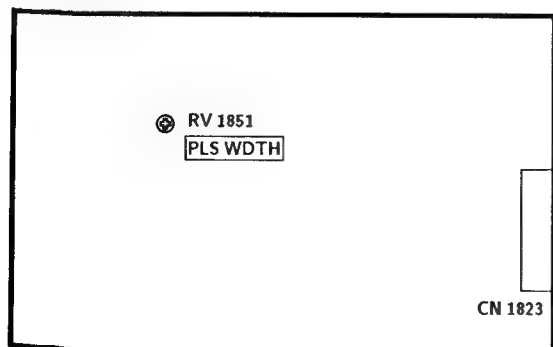
M BOARD



1. Connect GND to ⑫ pin of IC 501 on M board.
2. Connect a frequency counter to ④ pin of IC 501.
3. Adjust RV 506 on M board to $15,625 \text{ kHz} \pm 10 \text{ Hz}$.
4. Remove ⑫ pin of IC 501 from GND.

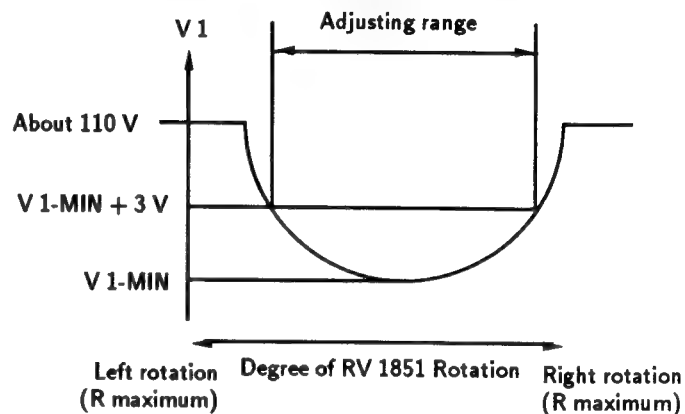
PLS WIDTH

D 2 BOARD



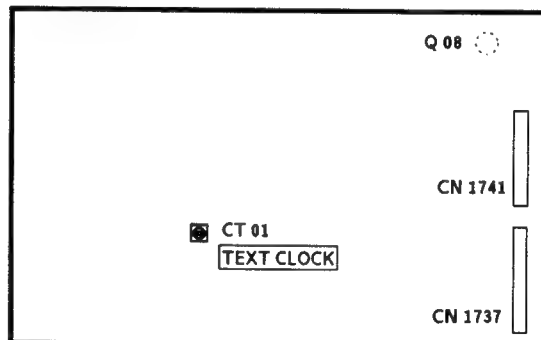
DRIVE PULSE PHASE ADJUSTMENT(RV 1851)

- 1) While measuring the voltage V 1 at both edges of C 1859, rotate RV 1851 so that it becomes minimum. The adjusting range is from (the voltage at which V 1 becomes minimum) V 1 MIN to 3 V, which means, adjust to between V 1 MIN to V 1 MIN + 3 V.



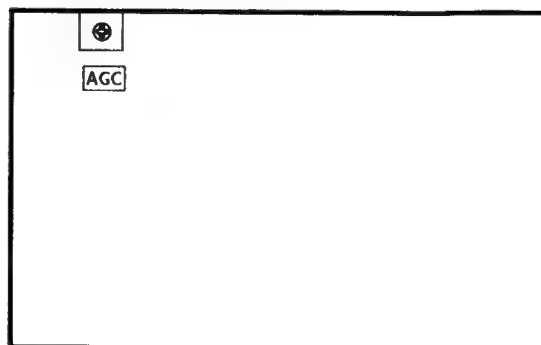
TEXT CLOCK ADJUSTMENT (CT 01)

V BOARD



1. Get TEXT MENU on screen.
2. Connect GND and the base of Q 08 on V board.
3. Adjust CT 01 on V board so that the MENU stands still as much as possible.

AGC ADJUSTMENT (IF BLOCK)



1. Receive off-air signal.
2. Adjust AGC VR so that there is no snow noise and cross-modulation.
3. Change receiving channel and confirm status.

4-3. TEST MODE 2 :

Is available by pressing Test button two times, OSD "TT" appears. The functions described bellow are available by pressing the two numbors. To release the Test Mode 2, press two times 0, or switch TV in Standby Mode.

00	switch Test Mode 2 off
01	picture maximum
02	picture minimum
03	Volume 35%
04	Volume 50%
05	Volume 65%
06	Volume 80%
07	Aging Condition (Volumin., Picture max., Brightness max., Aging 2 Mode of CXA 1587, TDA 2595 is locked to CXA 1587 via PIN 34 of μ -Con.)
08	Shipping Condition (Analog Values are RESET due to factory setting, Prog 1 is selected, TT Mode is switched off)
09	dummy
10	Tenth entry is deleted
11	Balance
12	Hue
13-14	dummy
15	Read factory setting from NVM Reads Volume, Balance, Treble, Bass, Brightness, Contrast, Hue, Sharpness, Colour values from ROM to the actual used values (Last Power Memory)
16	Save actual used values as RESET values Memorize actual used values Balance, Treble, Bass, Hue, Sharpness at RESET position in NVM
17	Preset Lavel for AV Sources
18	dummy
19	Stereo Seperation
20	Tenth entry is deleted
21	Sub Contrast
22	Sub Colour
23	Sub Brightness
24-29	dummy

30	Tenth entry is deleted
31	Green Drive
32	Blue Drive
33	Green Cut Off (Auto Cut Off)
34	Blue Cut Off (Auto Cut Off)
35	Red Cut Off (Manual Cut Off) (Auto Cut Off is switched off)
36	Green Cut Off (Manual Cut Off) (Auto Cut Off is switched off)
37	Blue Cut Off (Manual Cut Off) (Auto Cut Off is switched off)
38	Y-Filter adjustment (Trap is switched off and TDA 9145 is switched in forced NTSC Mode)
39	dummy
40	Tenth entry is deleted
41	Default setting of CXA 1587 (Only in Plog 99 available)
42	Default setting of CXA 2018 (Only in Plog 99 available)
43	Default setting of CXA 1526 (Only in Plog 99 available)
44	(all Port High) Not yet
45	(all Port High) Not yet
46-48	dummy
49	Erease the NVM Testbyte (this byte detects already stored NMV's) After selecting this function, switch TV Off and On → the NVM will be preest by μ -Controller. (Not the channel data)

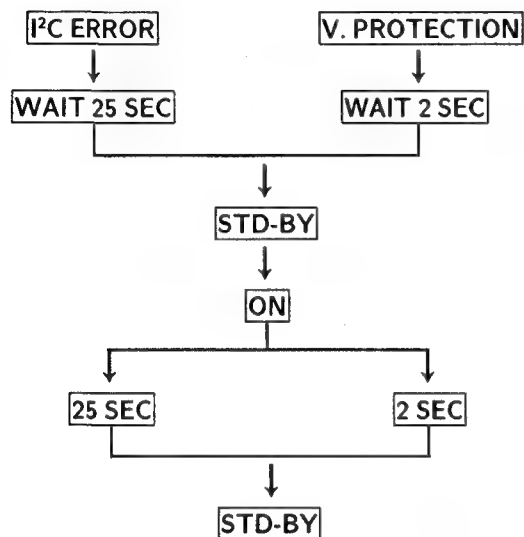
Note : For No. 35, 36, 37 and 38 special pressing (AKB, forced Color Mode, Trap) is selected. After selecting a new Test Mode Nurnber, the AKB is switched ON, the Trap is switched On and TDA 9145 is switched to Auto Search Mode.

In Test Mode 2 the Menu display is switchable by Speaker-Off button.

4-4. ERROR MESSAGE

Self diagnosis system can operates as follows.

- When MP can't get the acknowledge back from the device, LED starts flashing according to the table as attached.



In case of more errors in parallel, the blinking error shows max. Priority according to the error number (e.g. error 2 and error 5 appears together, then LEDs shows error 2) .

TABLE OF ERRORS

ERROR COUNT	IC TYPE	FUNCTION
1	I ² C BUS	SDA low
2	X 24 C 16	EEPROM
3	SDA 3202	Tuner PII
4	TDA 9145	Colour decoder
5	CXA 1587	RGB/Jungle
6	TDA 6612	Sound processor
7	CXD 2018	V deflection
8	CXA 1545	AV switch
11	SDA 5248	Text
13		V protection

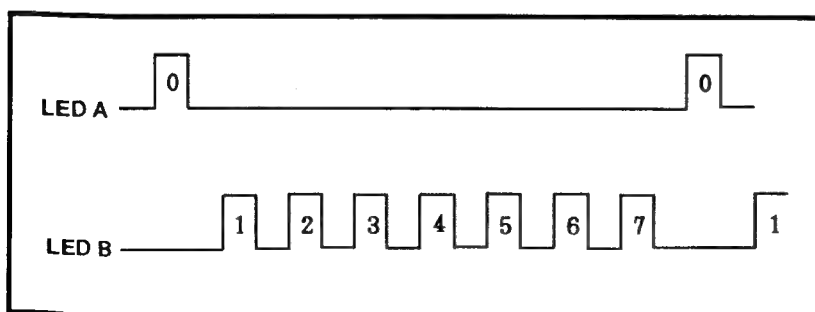
Stand by LED blinking

No IK return

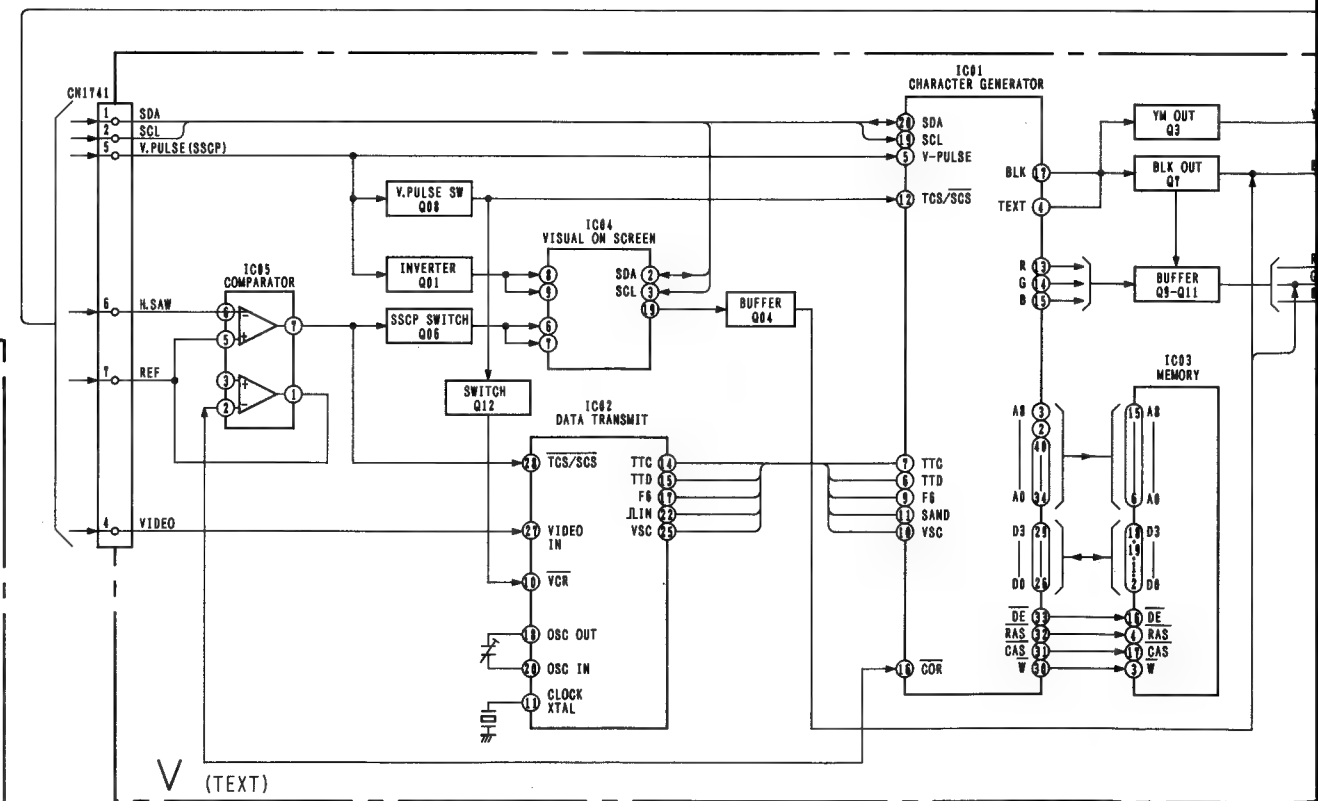
4-5. ERROR I²C BUS DIAGNOSIS SYSTEM IN AE 2 CHASSIS

For all ICs in AE 2 chassis which are necessary to get picture and sound there is a built in error I²C Bus diagnosis system.

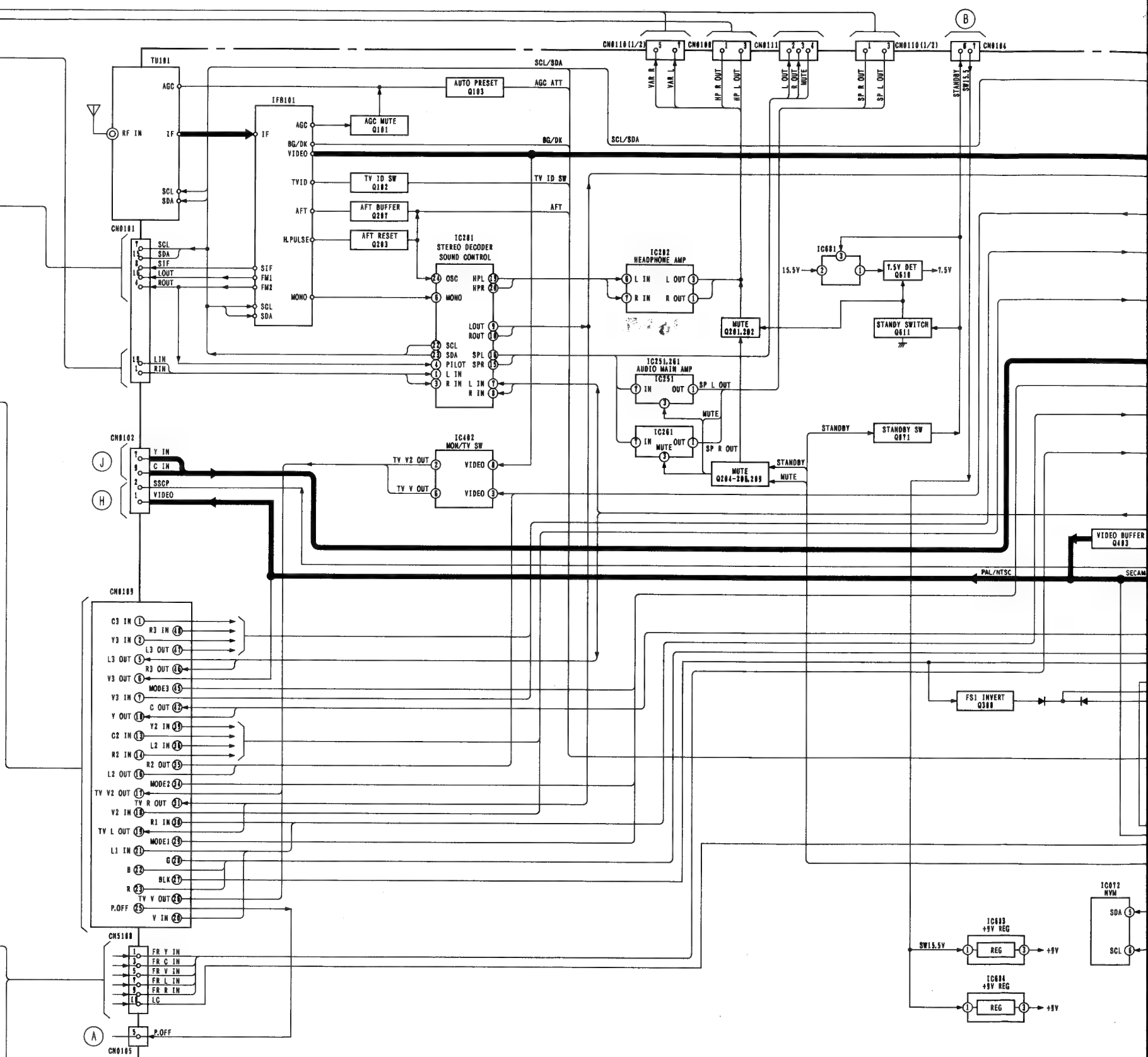
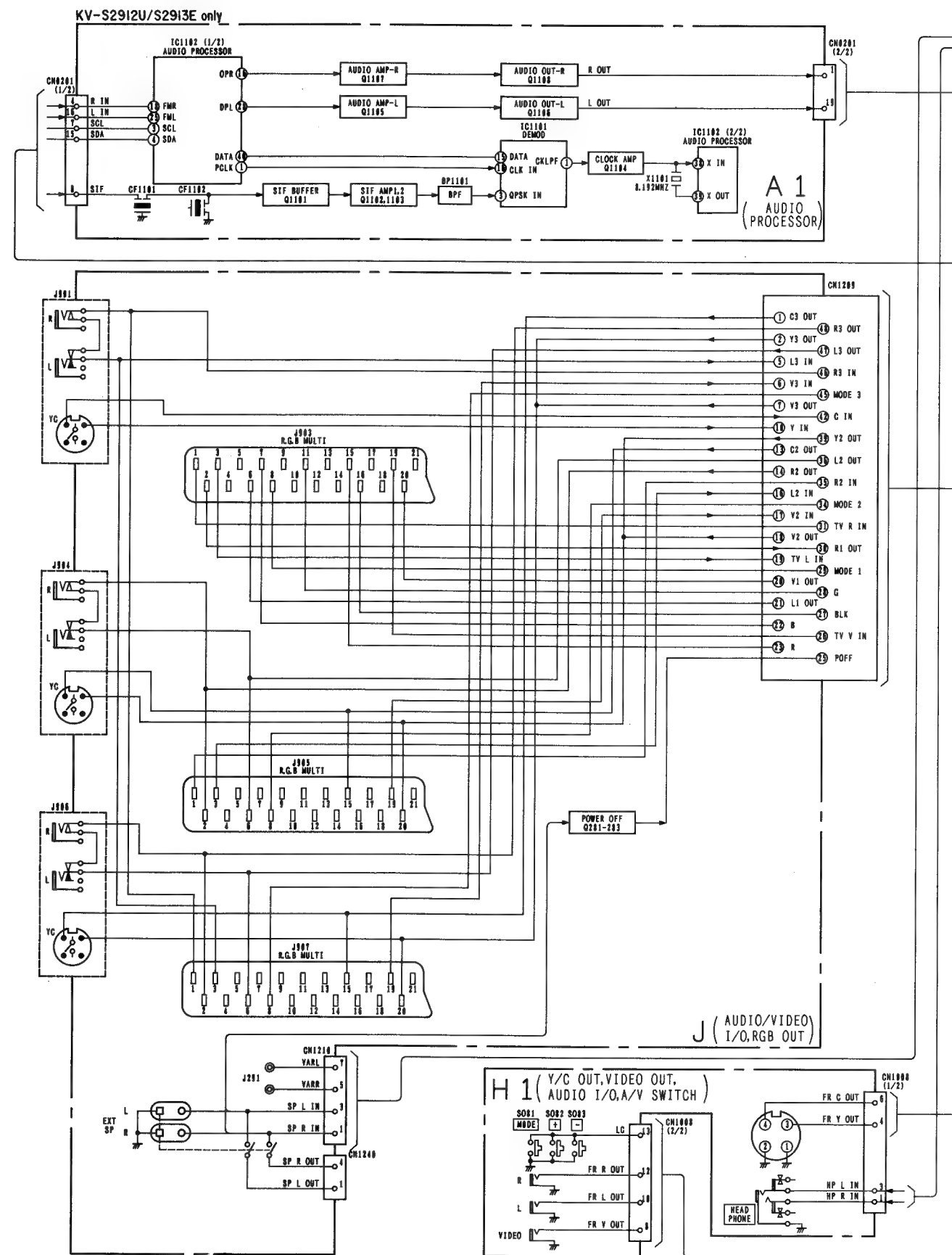
In case of no acknowledge bit, LED A and LED B starts blinking as shown.



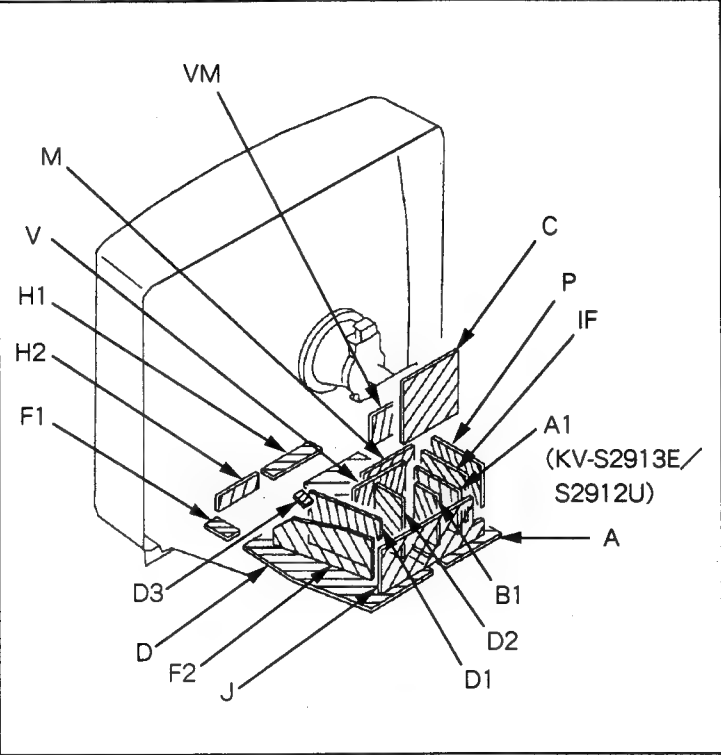
5-1. BLOCK DIAGRAM (1)



5-2. BLOCK DIAGRAM (2)



5-3. CIRCUIT BOARDS LOCATION



5-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note :

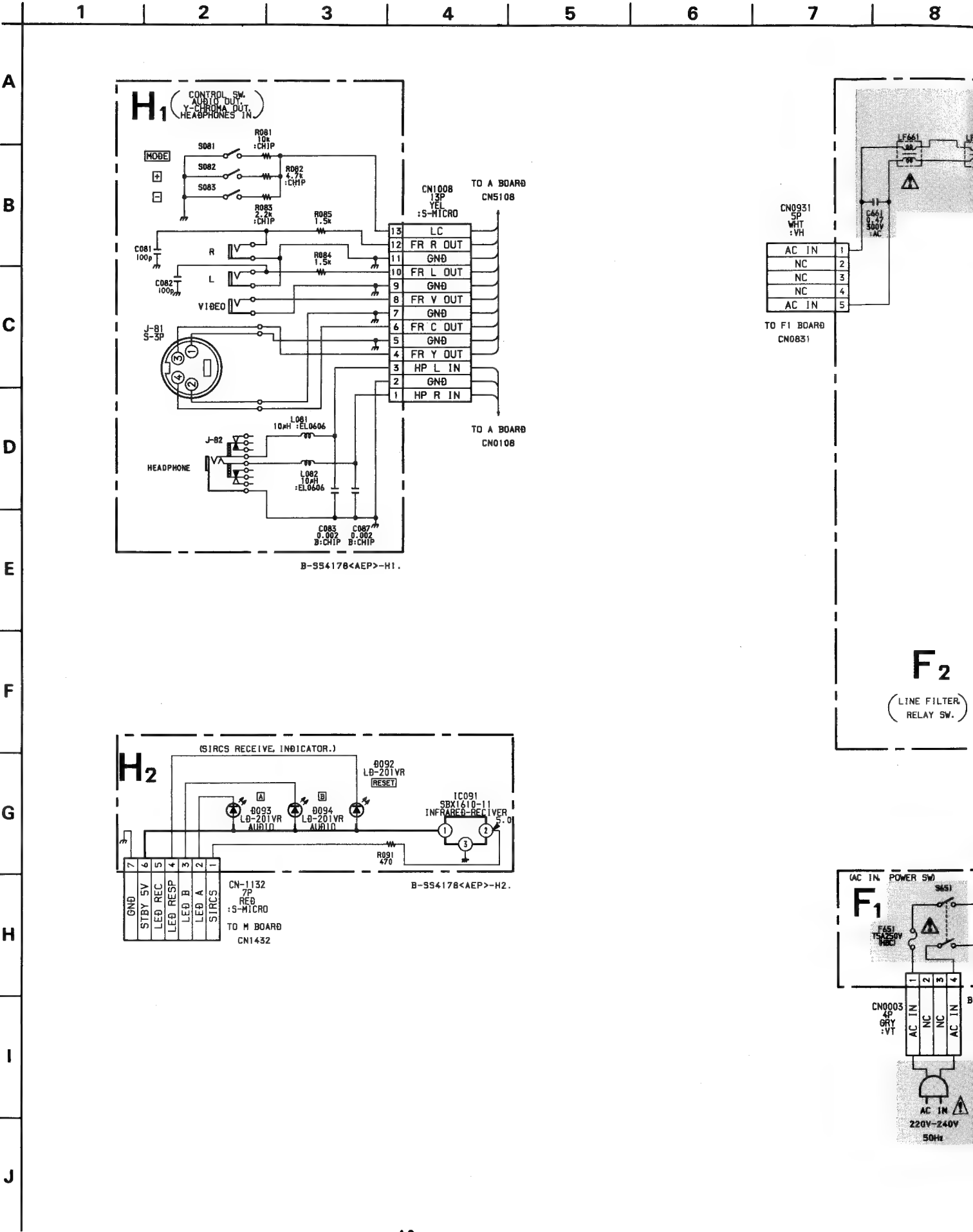
- All capacitors are in μF unless otherwise noted.
pF : $\mu \mu F$ 50WV or less are not indicated except for electrolytic.
- Indication of resistance, which dose not have one for rating electrical power, is as follows.
Pitch : 5mm
Rating electrical power : $\frac{1}{4}W$
- Chip resistor is in $1/10W$.
- All resistors are in ohms.
 $k \Omega = 1000 \Omega$, $M \Omega = 1000K \Omega$
- : nonflammable resistor.
- : fusible resistor.
- Δ : internal component.
- : panel designation or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- : earth - ground
- : earth - chassis
- All voltages are in V.
- Readings are taken with a $10M \Omega$ digital multimeter.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- : B + bus.
- : B - bus.
- : signal path.(RF)

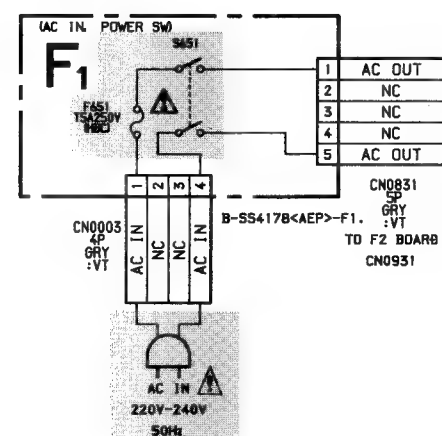
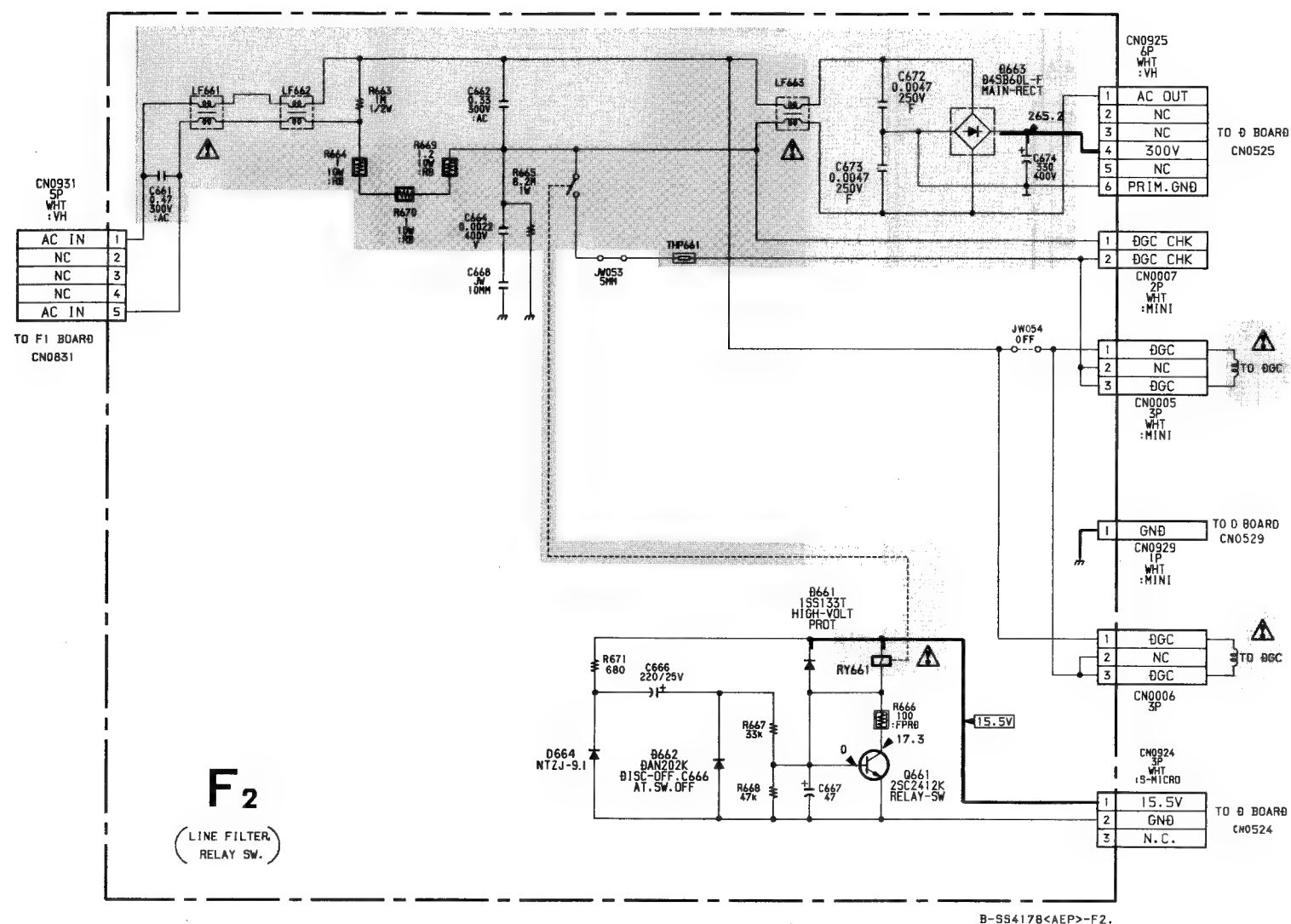
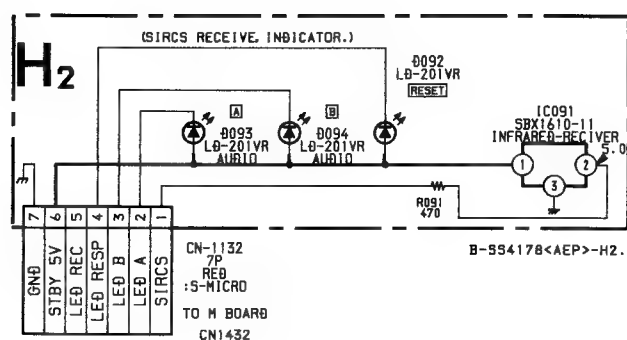
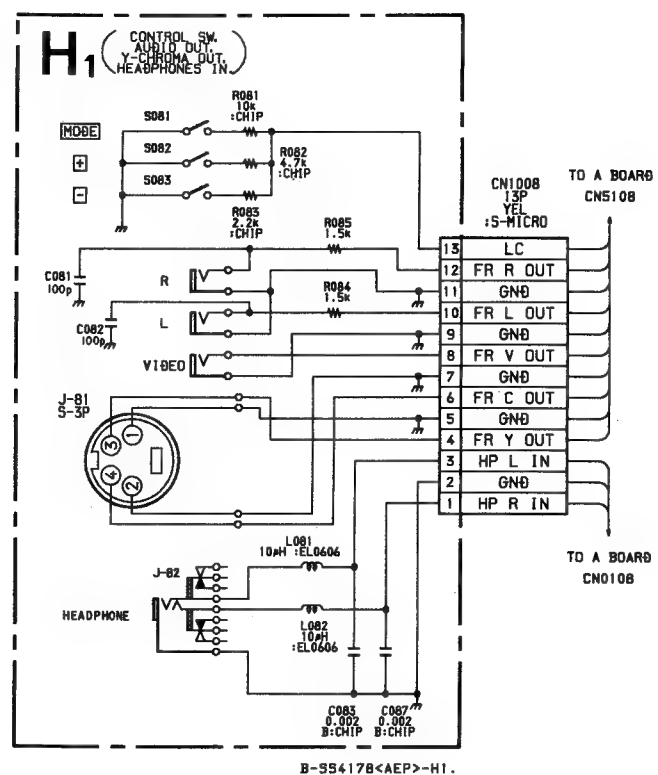
Reference information

RESISTOR	RN	: METAL FILM
	RC	: SOLID
	FPRD	: NONFLAMMABLE CARBON
	FUSE	: NONFLAMMABLE FUSIBLE
	RS	: NONFLAMMABLE METAL OXIDE
	RB	: NONFLAMMABLE CEMENT
	RW	: NONFLAMMABLE WIREWOUND
	*	: ADJUSTMENT RESISTOR
COIL	LF-8L	: MICRO INDUCTOR
CAPACITOR	TA	: TANTALUM
	PS	: STYROL
	PP	: POLYPROPYLENE
	PT	: MYLAR
	MPS	: METALIZED POLYESTER
	MPP	: METALIZED POLYPROPYLENE
	ALB	: BIPOLAR
	ALT	: HIGH TEMPERATURE
	ALR	: HIGH RIPPLE

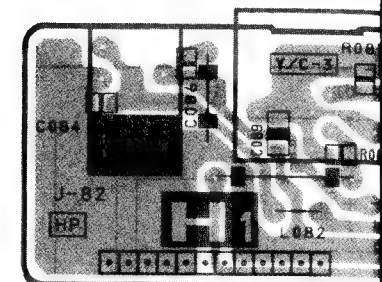
Note: The components identified by shading and mark are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par une trame et par une marque sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

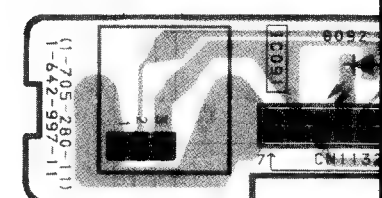




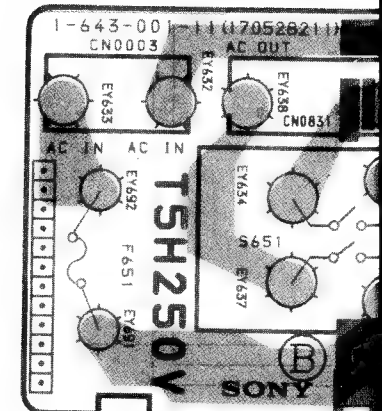
- H1 BOARD -

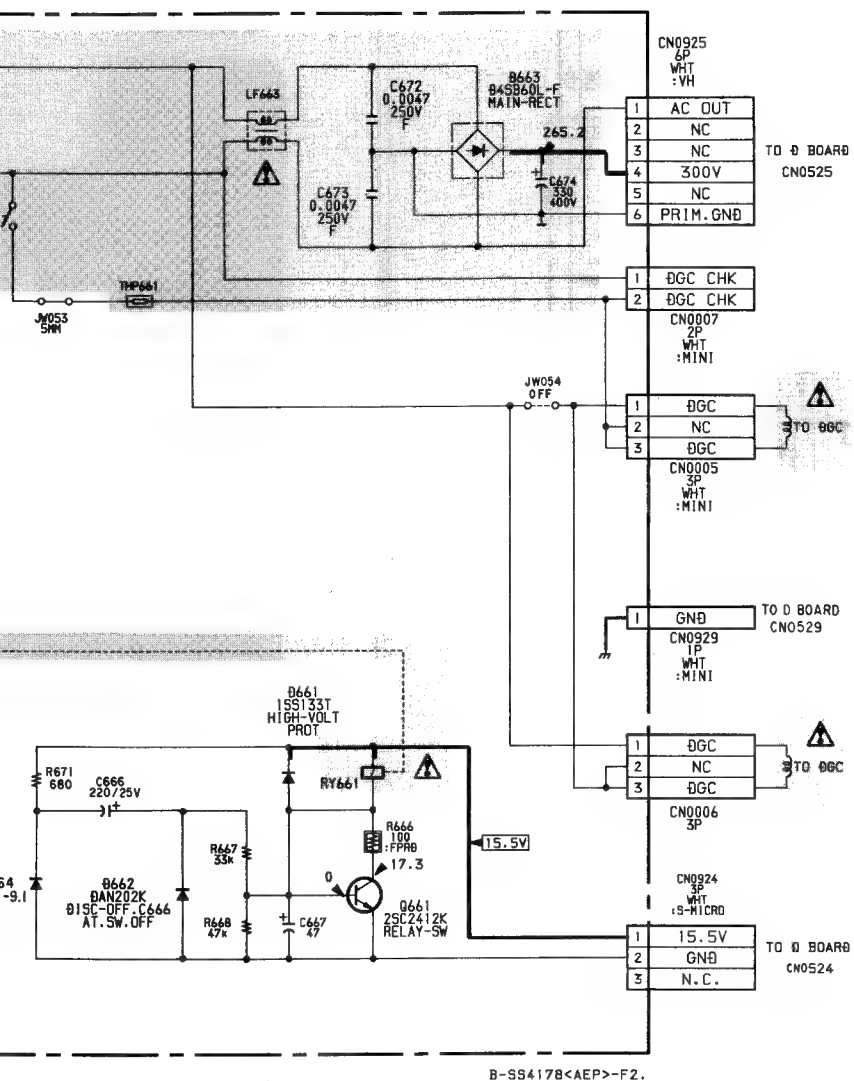


- H2 BOARD -



- F1 BOARD -





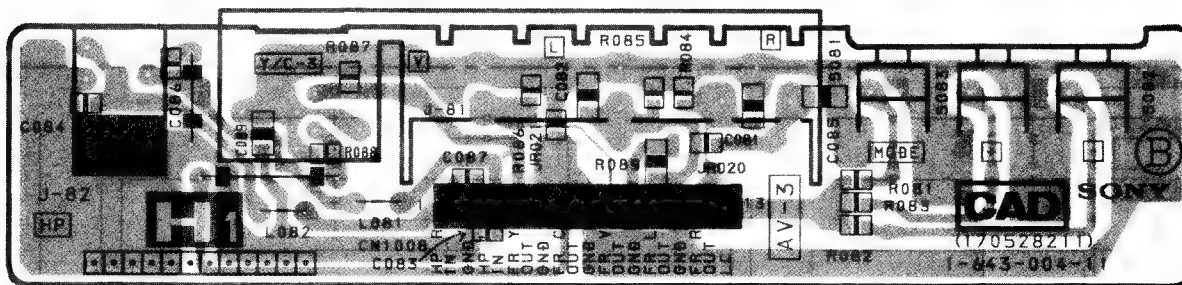
H1 [CONTROL SW, AUDIO OUT,
Y-CHROMA OUT,
HEADPHONE IN]

H2 [SIRCS RECEIVER,
INDICATOR]

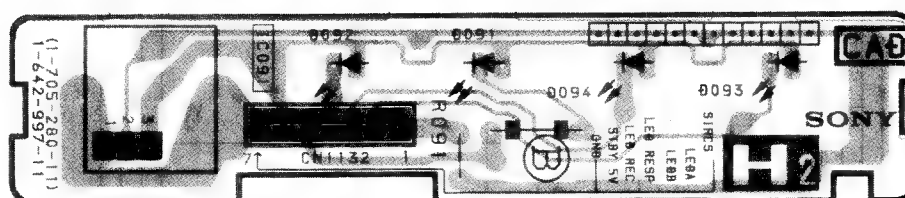
F1 [AC IN, POWER SW]

F2 [LINE FILTER,
RELAY SW]

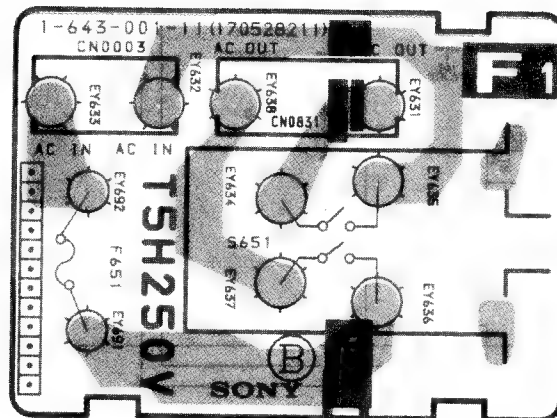
- H1 BOARD -



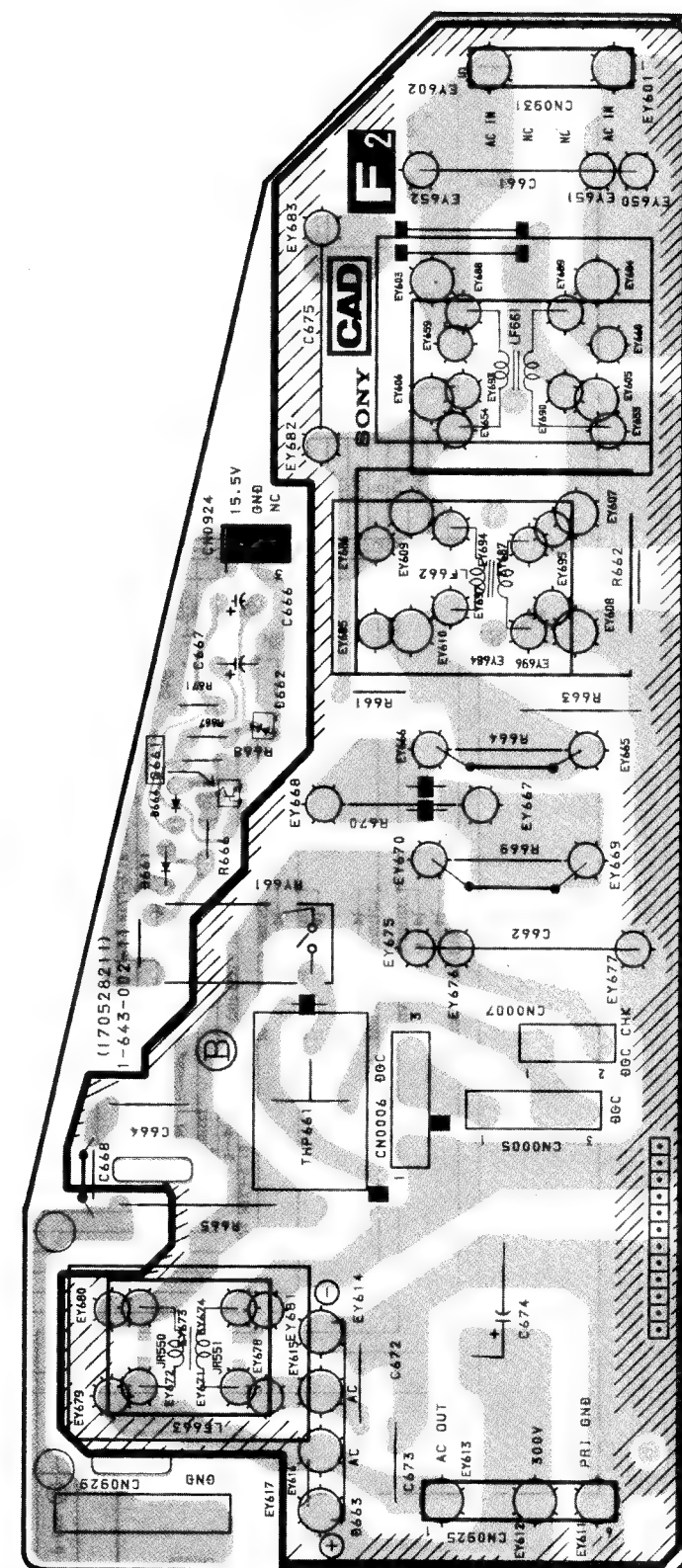
- H2 BOARD -



- F1 BOARD -

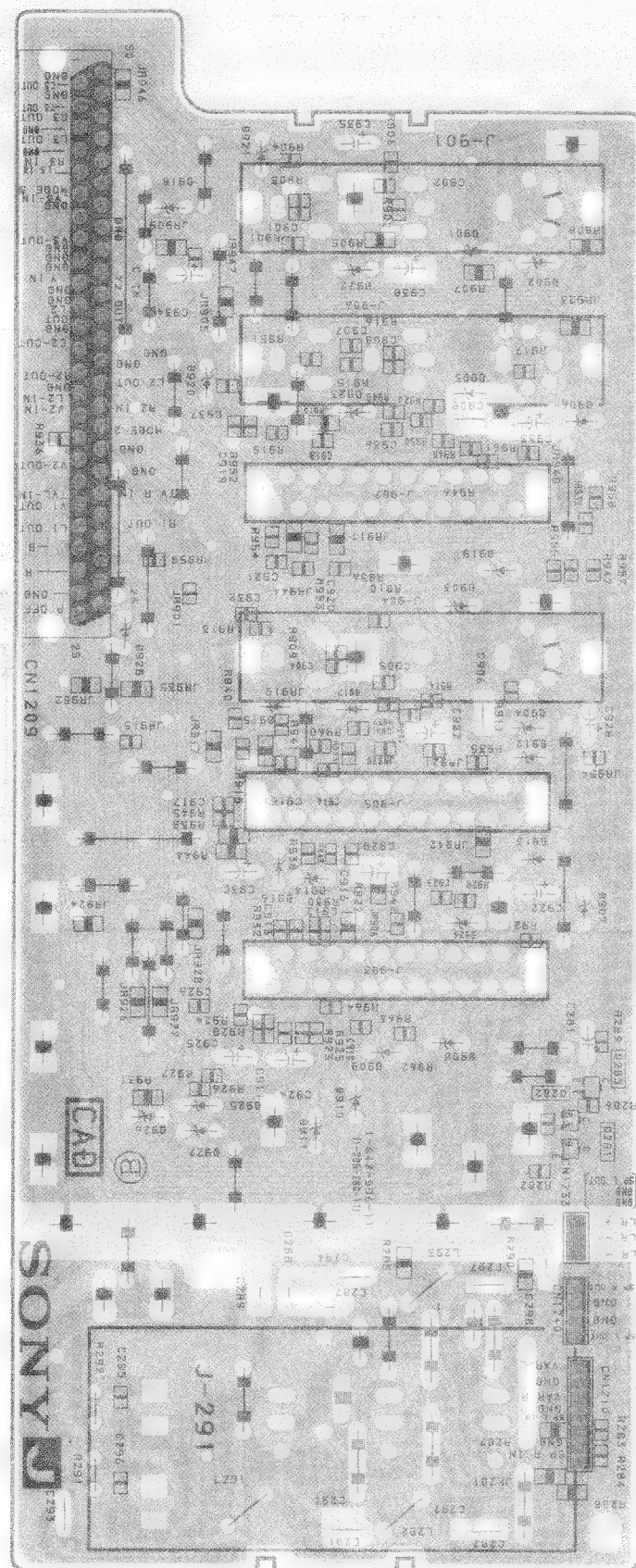


- F2 BOARD -



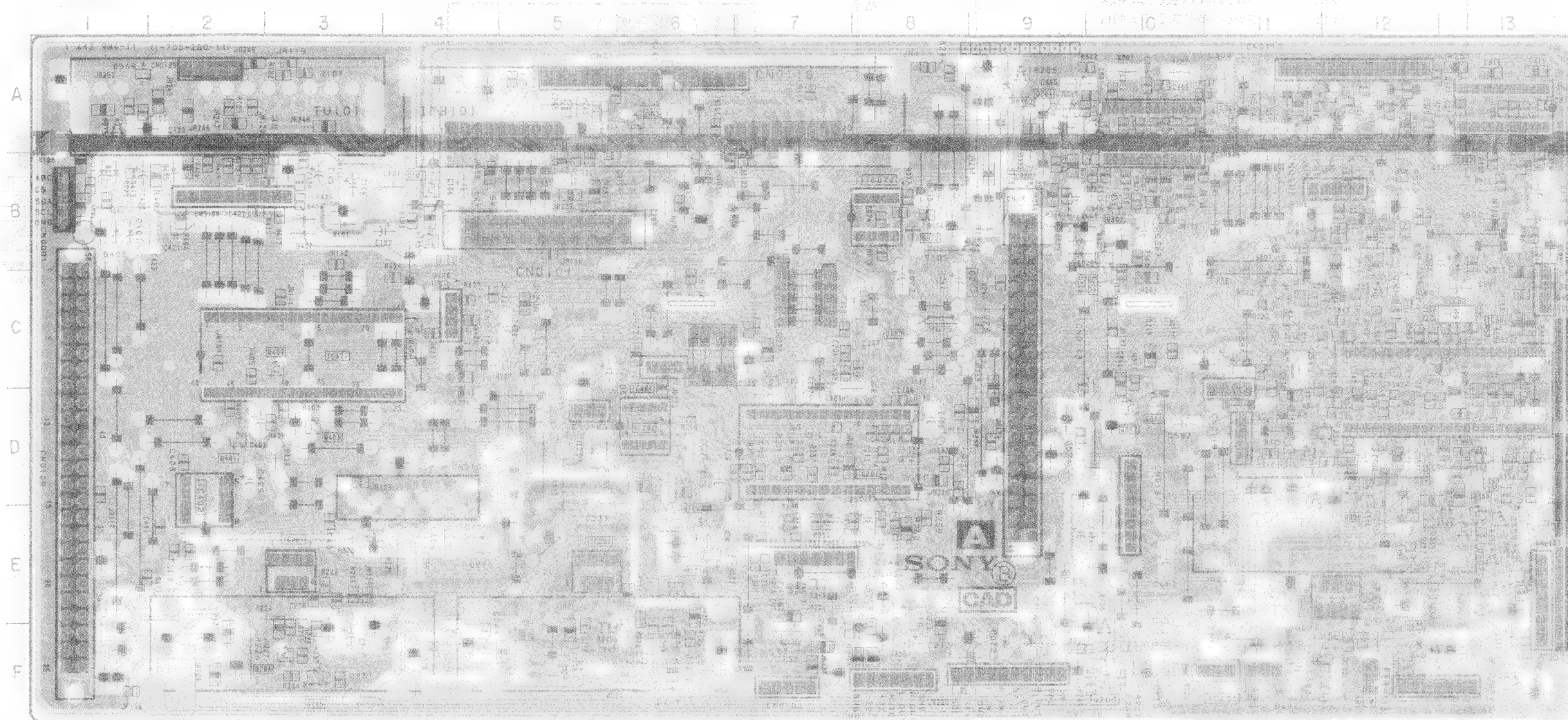


A TUNER, AUDIO, CONTROL, AUDIO AMP
AV SWITCH, RGB JUNGLE,
Y/C PROCESSOR



UDIO, CONTROL, AUDIO AMP
CH, RGB JUNGLE,
PROCESSOR

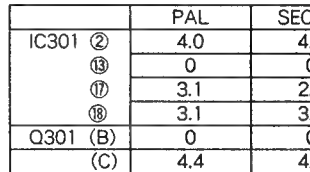
- A BOARD -



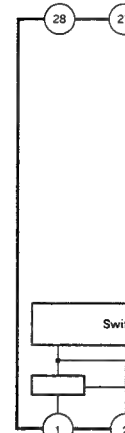
Note:

- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

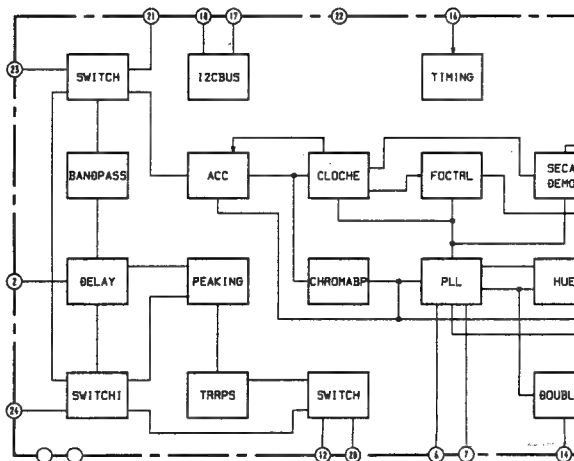
IC		Q683	F-11
IC072	B-8	DIODE	
IC201	D-7		
IC202	D-6		
IC251	E-5		
IC261	E-3		D068 B-9
IC301	A-10		D069 A-1
IC302	A-13		D071 B-1
IC304	C-13		D073 B-1
IC401	C-3		D075 A-1
IC402	D-2		D077 B-10
IC681	E-12	D078	B-9
IC683	F-11	D079	B-9
IC684	C-6	D101	B-3
TRANSISTOR		D205	A-9
		D206	F-10
		D207	F-10
		D208	F-10
		D209	E-4
		D210	E-4
		D211	F-6
		D212	F-6
		D213	F-7
		D301	B-11
Q071	F-12	D302	A-12
Q101	B-4	D303	C-11
Q102	A-9	D304	B-13
Q103	B-4	D305	D-11
Q201	E-6	D306	E-13
Q202	E-6	D307	E-13
Q203	A-6	D308	E-13
Q204	F-4	D311	D-12
Q205	F-3	D381	C-11
Q206	F-3	D401	B-1
Q207	B-8	D403	B-1
Q209	F-10	D405	B-2
Q301	A-9	D406	B-3
Q302	B-10	D407	B-3
Q303	E-13	D671	C-12
Q304	E-13	D681	F-11
Q306	E-12	D682	F-11
Q308	D-12		
Q309	D-11		
Q311	D-10		
Q312	D-10		
Q401	D-2		
Q402	C-3		
Q403	D-3		
Q404	C-4		
Q581	C-11		
Q582	C-11		
Q610	F-12		
Q611	F-12		



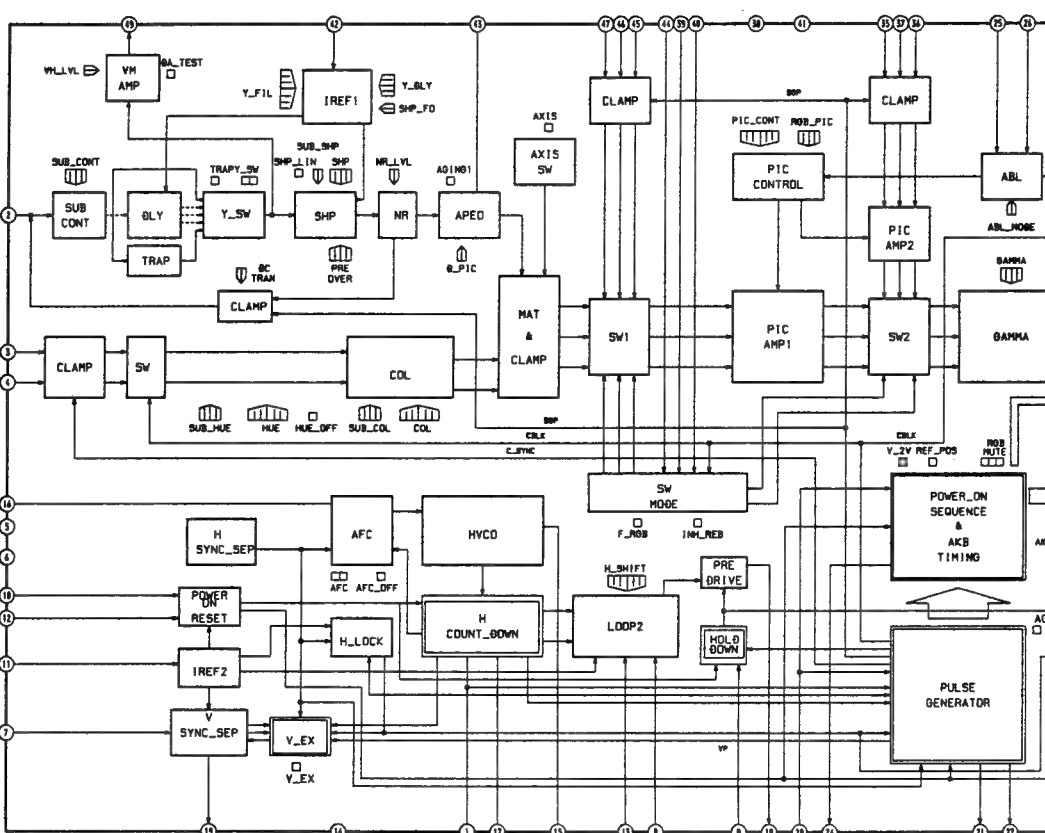
	KV – S2911D	KV
IC201	TDA6612	
IFB101	IFH-389	
TU101	UV-916H	
CN0101	–	



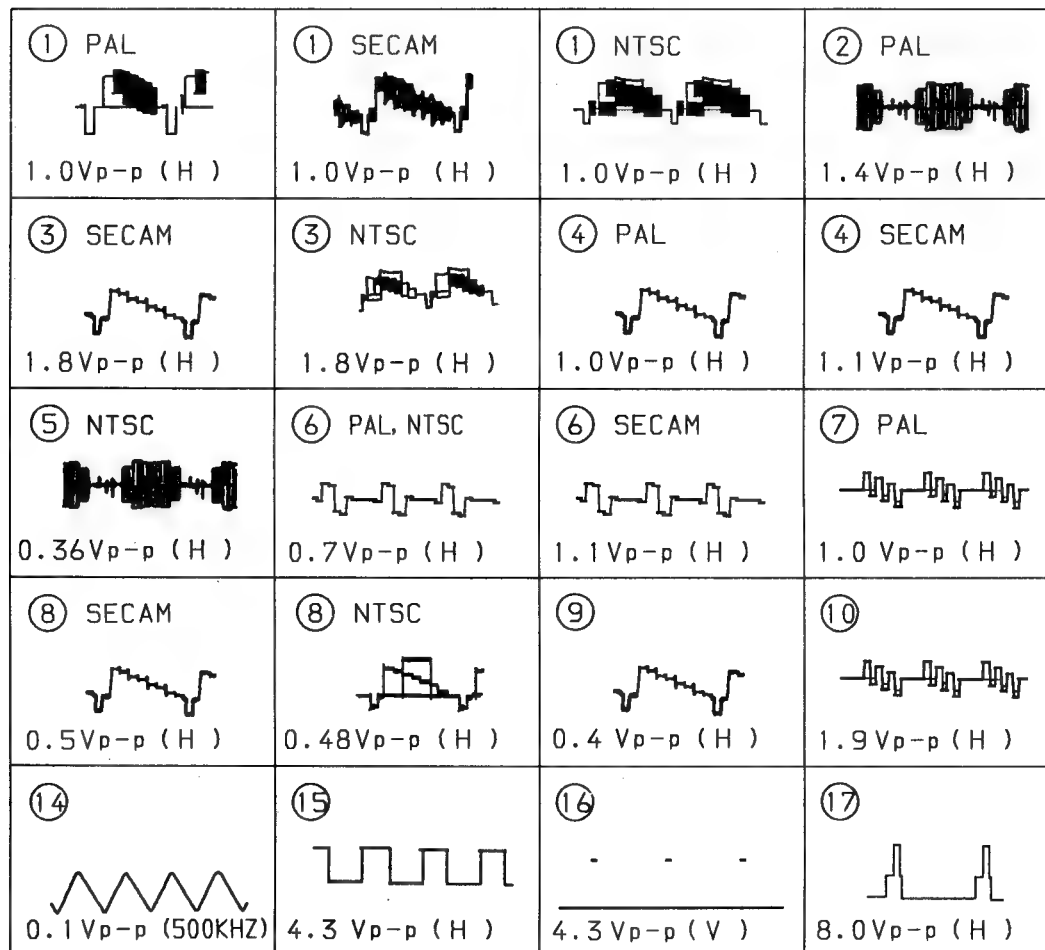
• A BOARD IC301 TDA9145



• A BOARD IC304 CXA1587S



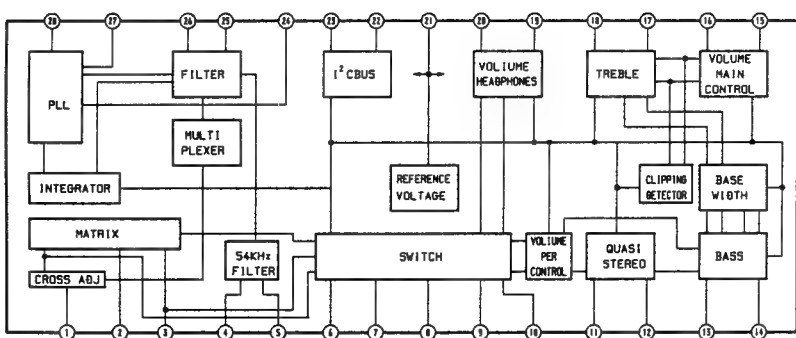
- **WAVEFORMS A BOARD**



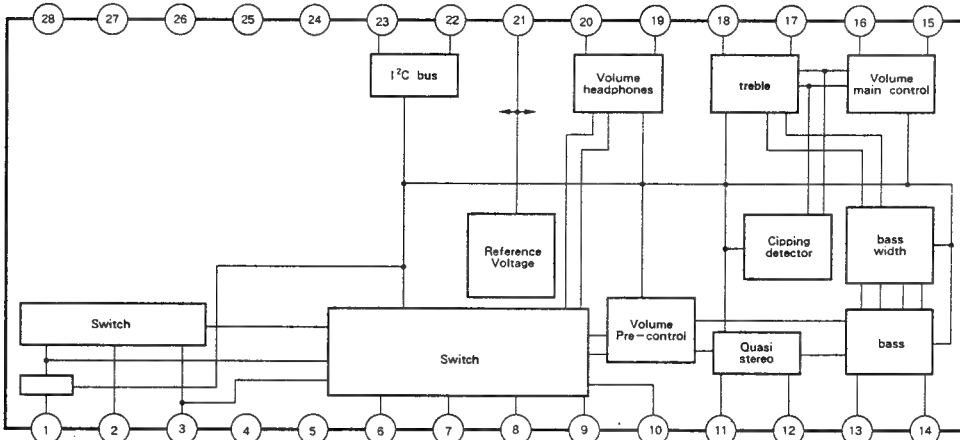
A BOARD * MARK

	KV - S2911D	KV - S2911B	KV - S2913E	KV - S2912U
IC201	TDA6612	TDA6612	TDA6612	TDA6622
IFB101	IFH-389	IFH-389F	IFH-389	IFH-395
TU101	UV-916H	UV-916H	UV-916H	UV-944C
CN0101	-	-	20P	20P

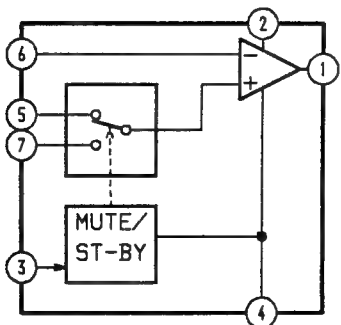
• A BOARD IC201 TDA6612



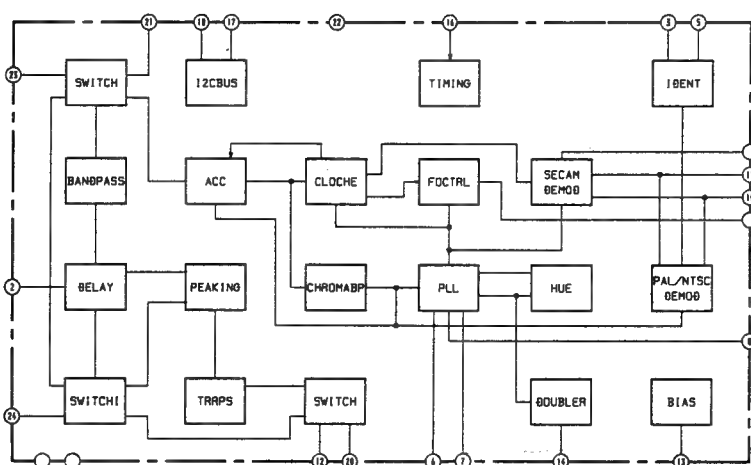
• A BOARD IC201 TDA6622 (UK Model only)



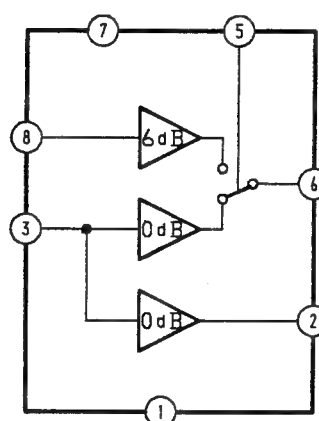
• A BOARD IC251/261 TDA2052



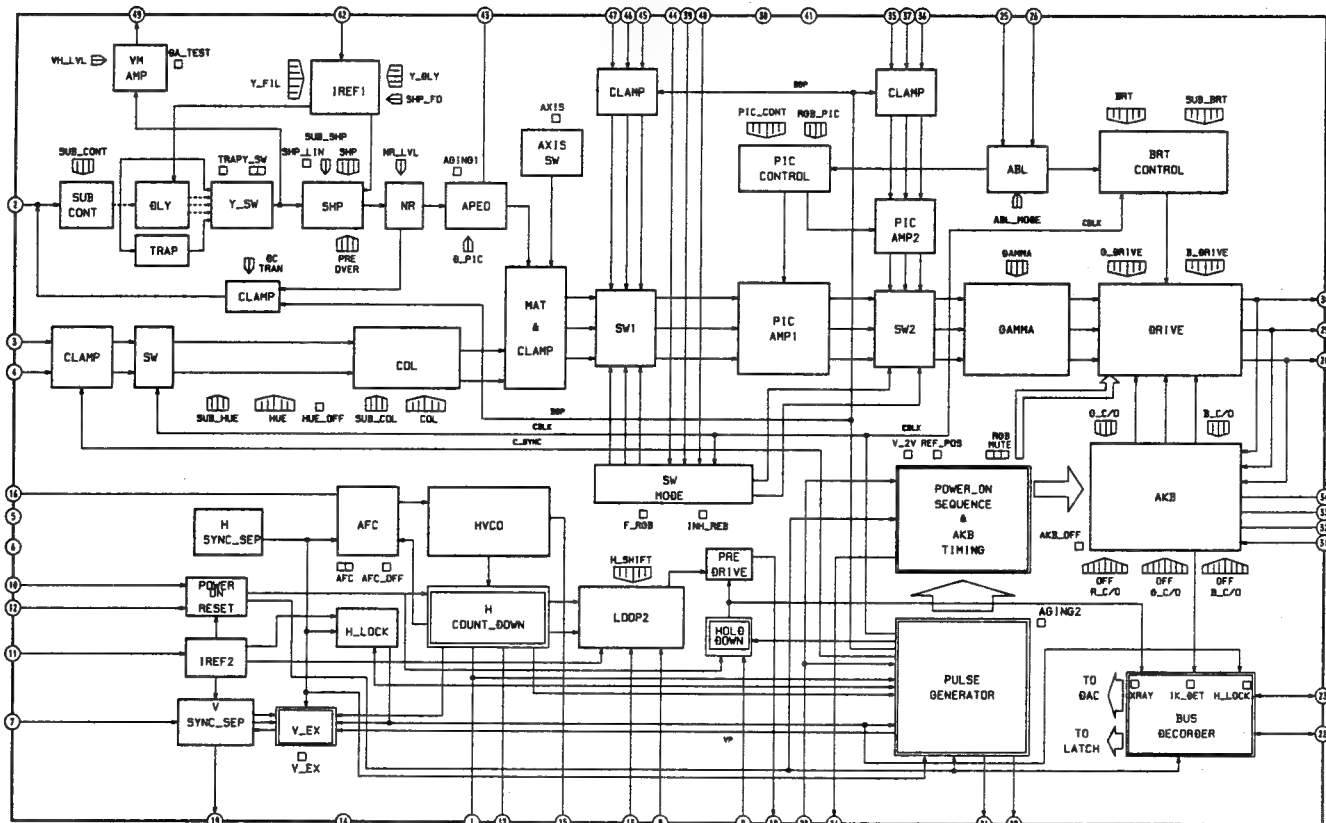
• A BOARD IC301 TDA9145



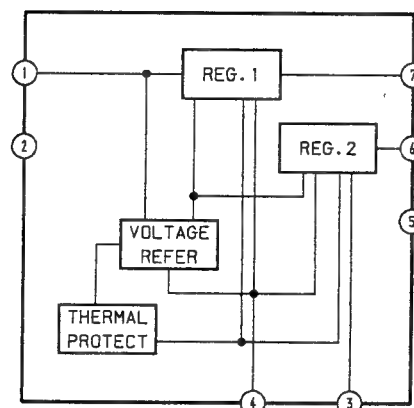
• A BOARD IC402 TEA2114



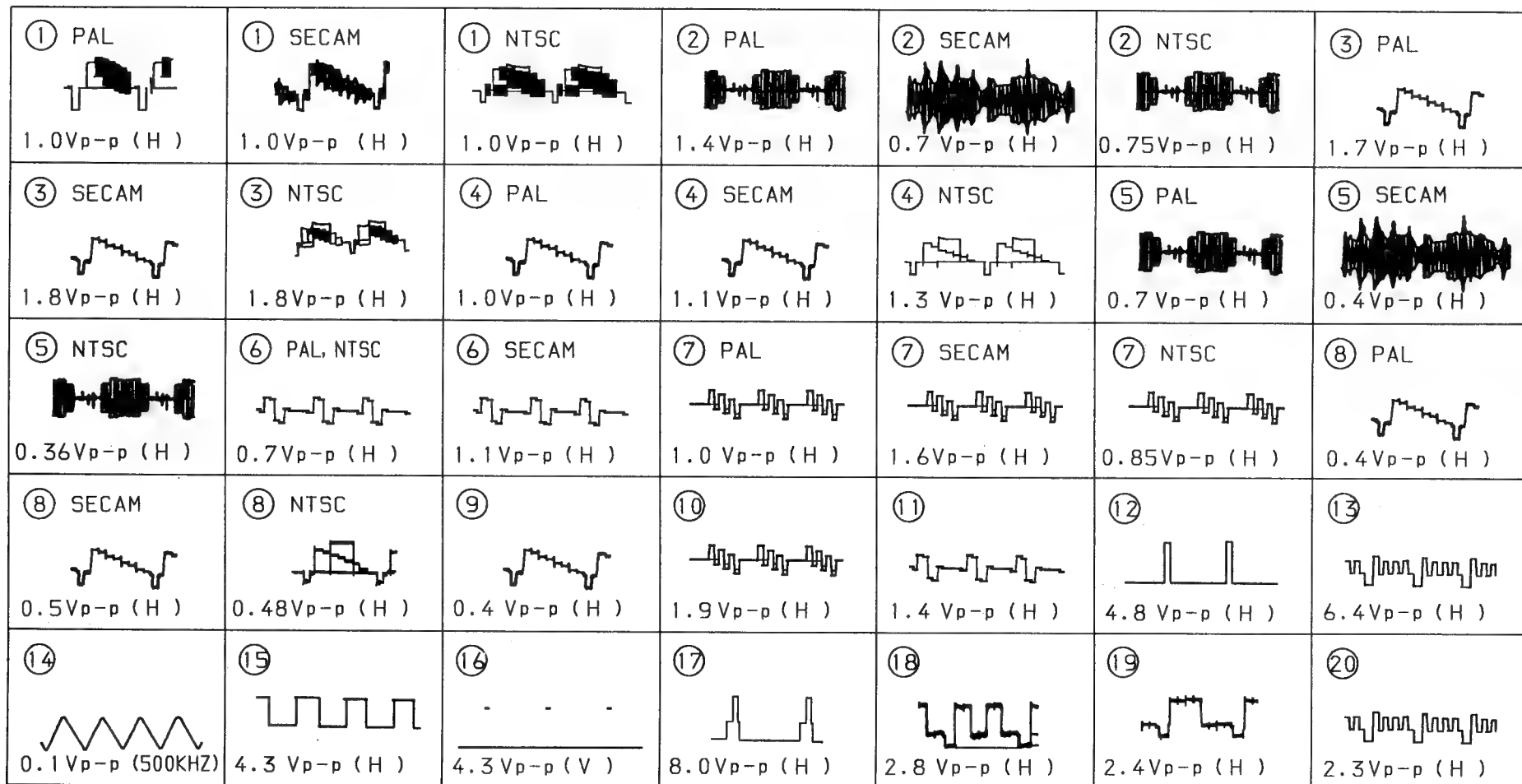
• A BOARD IC304 CXA1587S



• A BOARD IC681 TDA8138



• WAVEFORMS A BOARD

CN0115
13P
WHT
S-MICRO

R-Y OUT
 GND
 R-Y OUT
 GND
 Y OUT
 GND
 R-Y IN
 GND
 B-Y IN
 GND
 Y IN
 SSCP
 V PULSE

TO P BOARD

CN1515

CN0112
1P
BLK
S-MINI

GND

CN0114
4P
BLK
S-MICRO

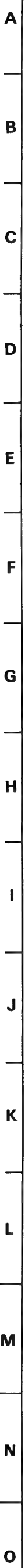
GND

TO P BOARD

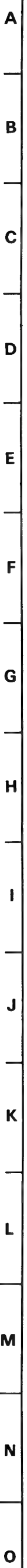
CN1514

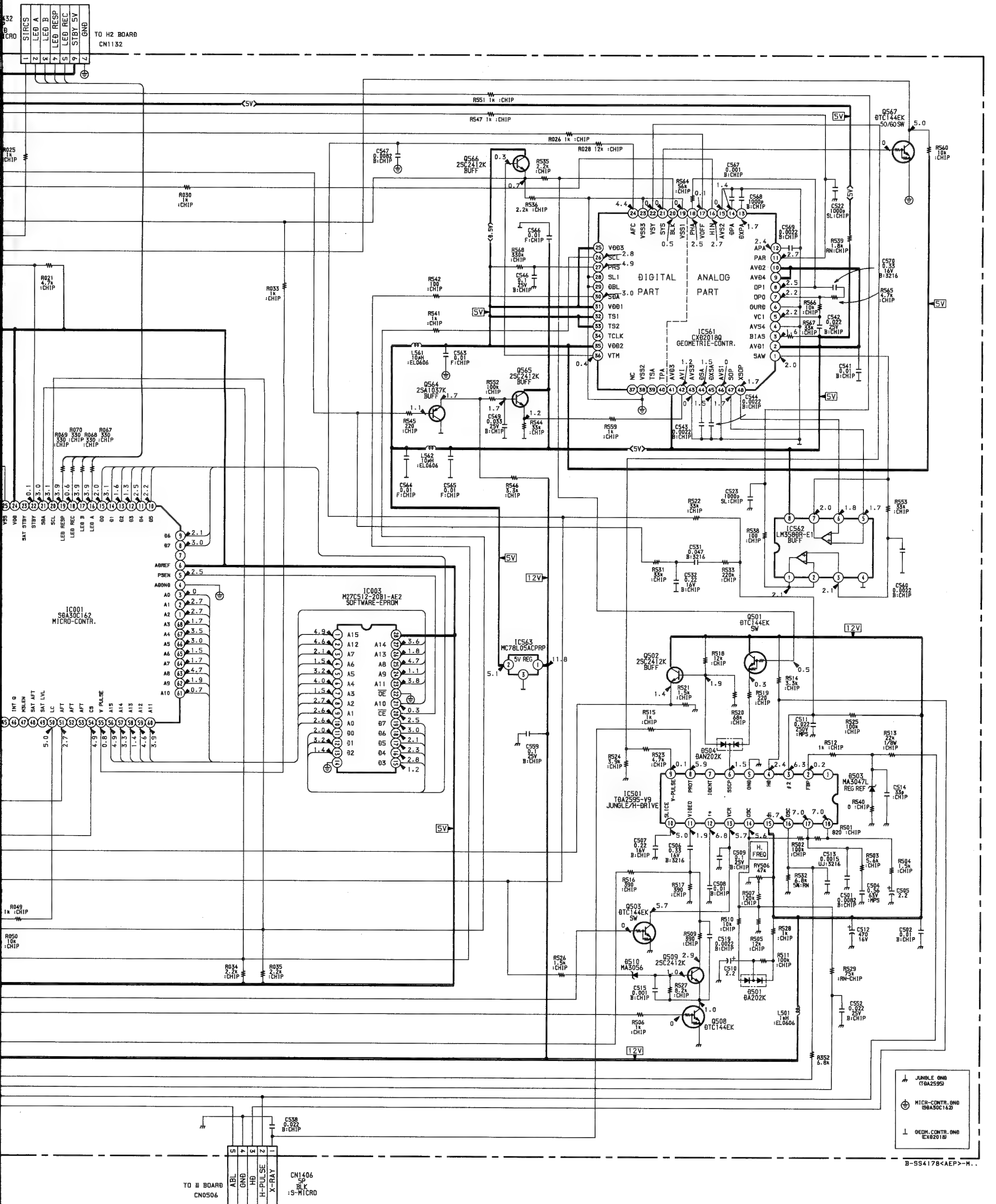
V-S2912U
 TDA6622
 IFH-395
 UV-944C
 20P

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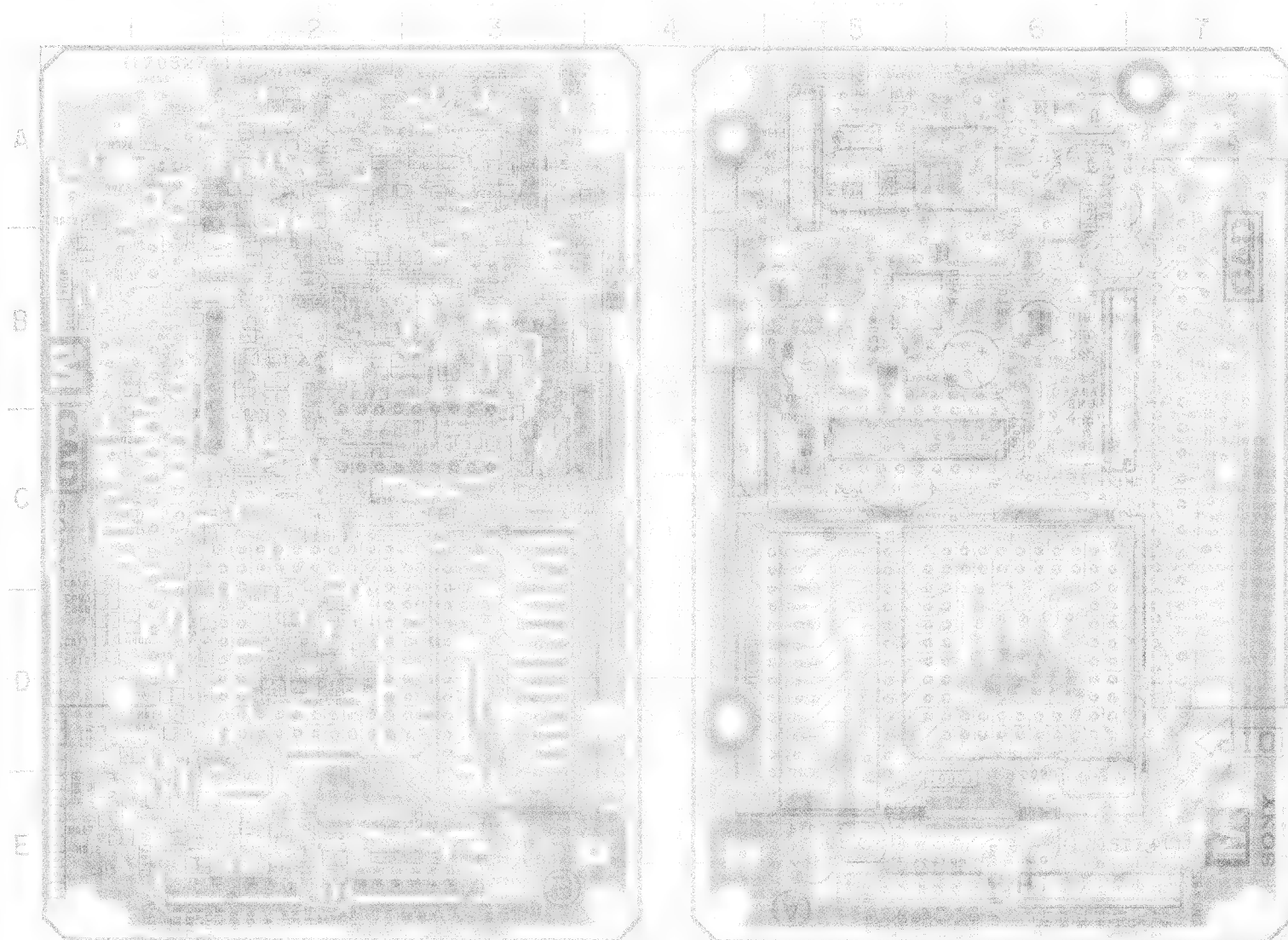




MMICRO CONTROLLER,
GEOMETRIE CONTROLLER
JUNGLE, H-DRIVE**D**H/V OUT, PIN OUT,
POWER SUPPLY**D3**

[RECT 15.5V]

- M BOARD -



IC	
IC001	D-2
IC003	D-3
IC501	C-3
IC561	A-6
IC562	A-5
IC563	A-1

TRANSISTOR

Q002	E-1
Q003	D-2
Q501	C-2
Q502	B-2
Q503	C-2
Q508	C-2
Q509	B-2
Q564	A-2
Q565	A-2
Q566	B-3
Q567	A-3

DIODE

D001	E-1
D501	B-2
D503	B-3
D504	C-2
D510	A-1

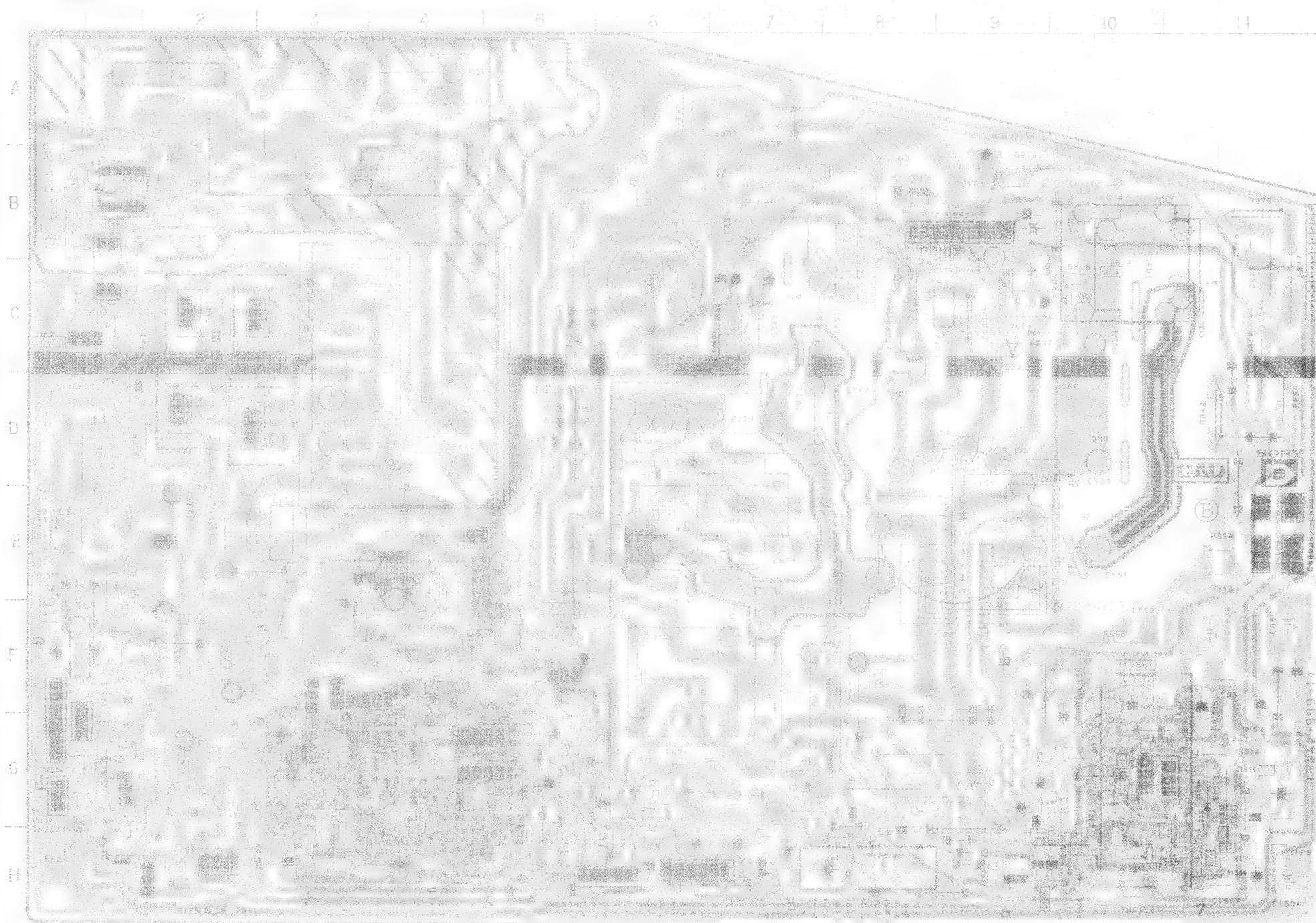
VARIABLE
RESISTOR

RV506	B-3
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Note:

- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

- D BOARD -



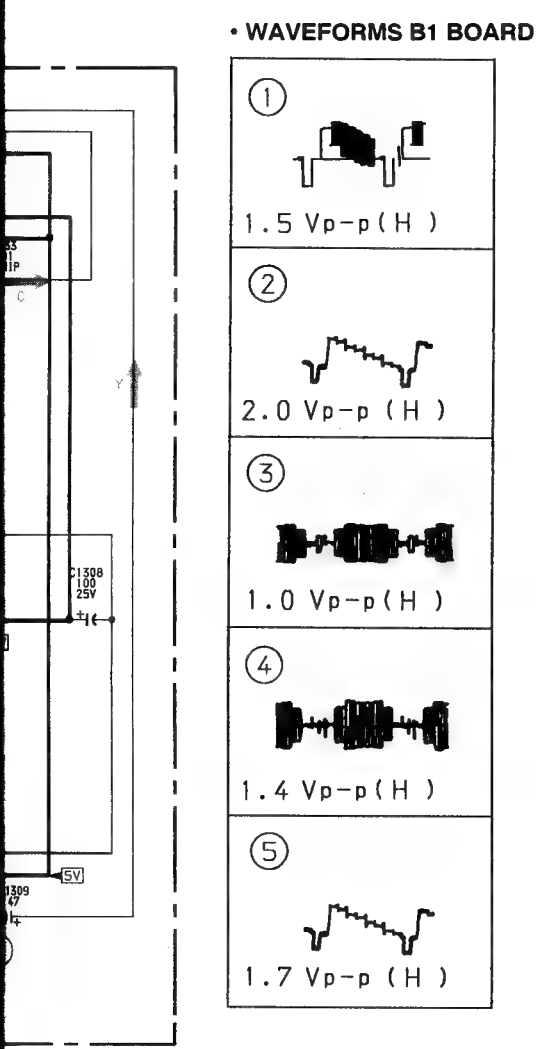
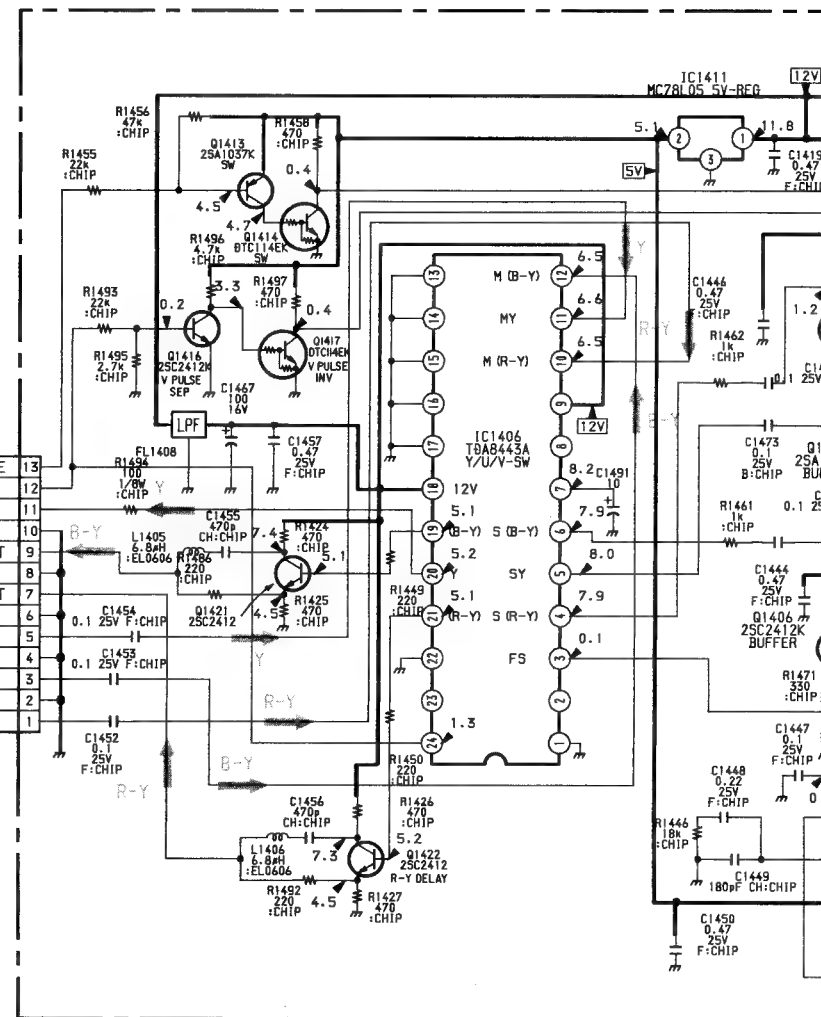
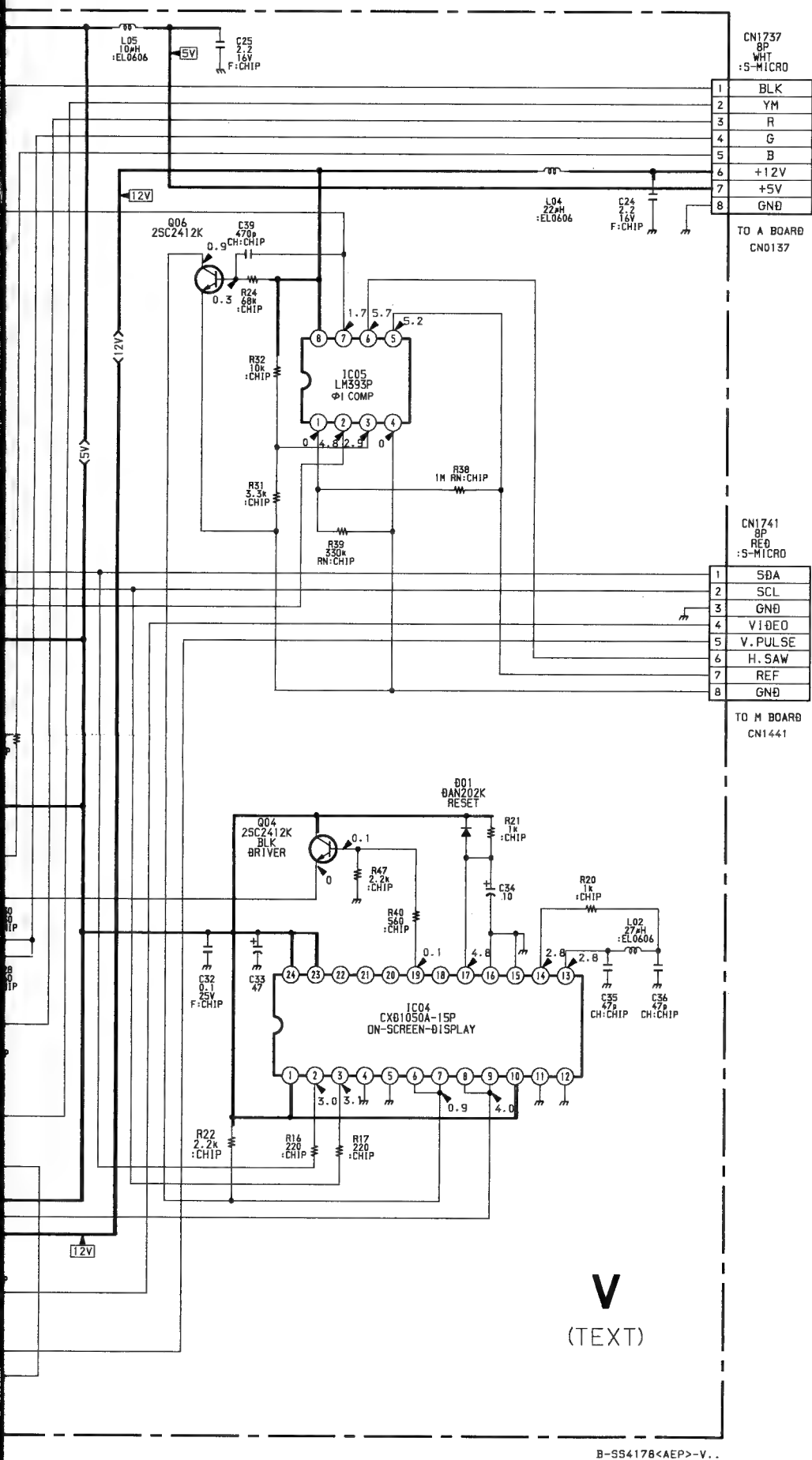
Note:

- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

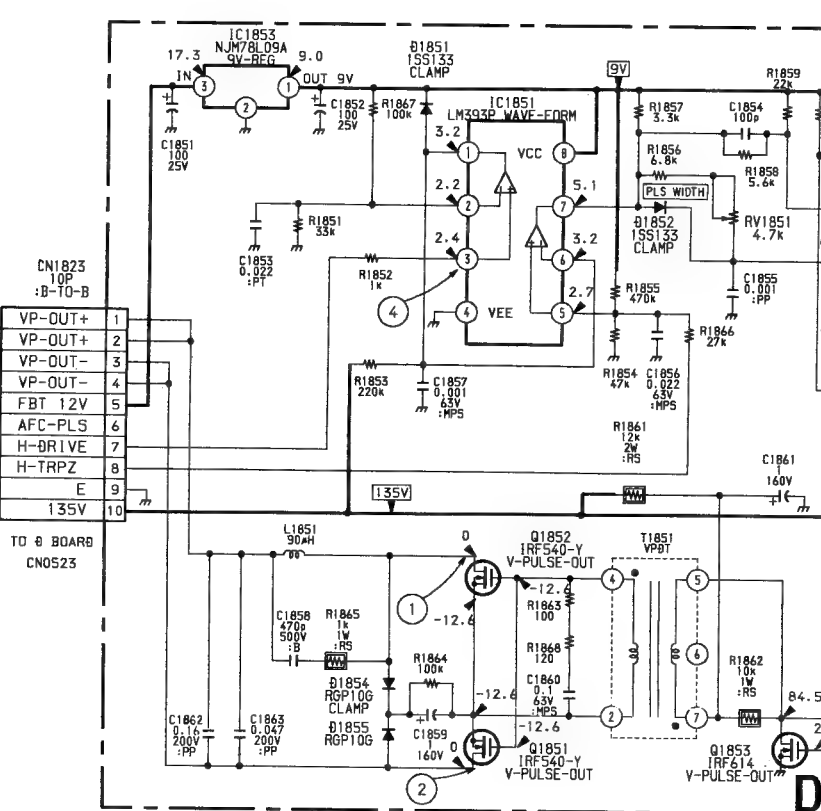
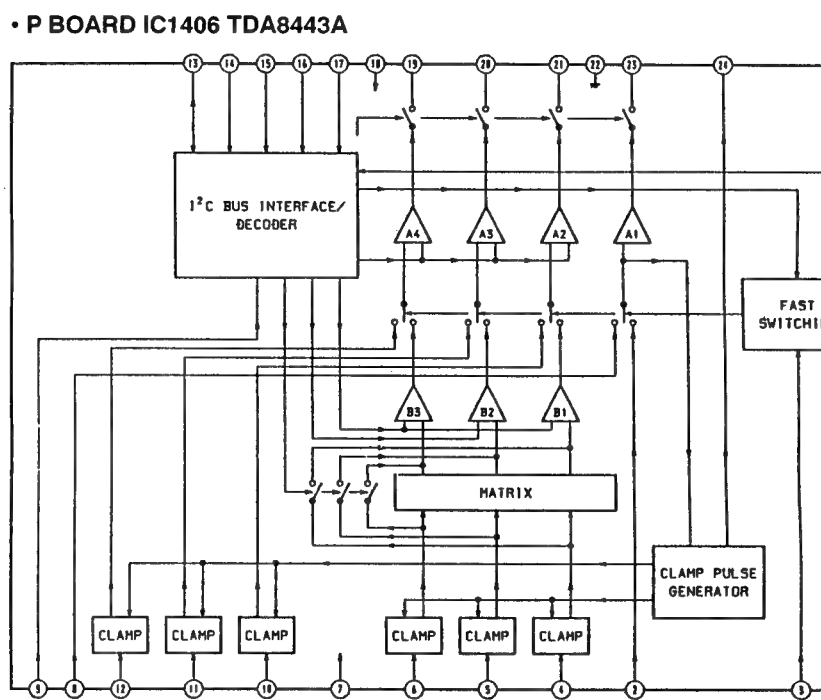
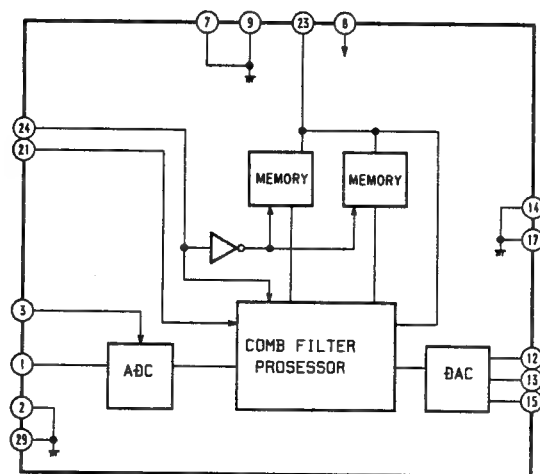
side which enables seeing.
or side.

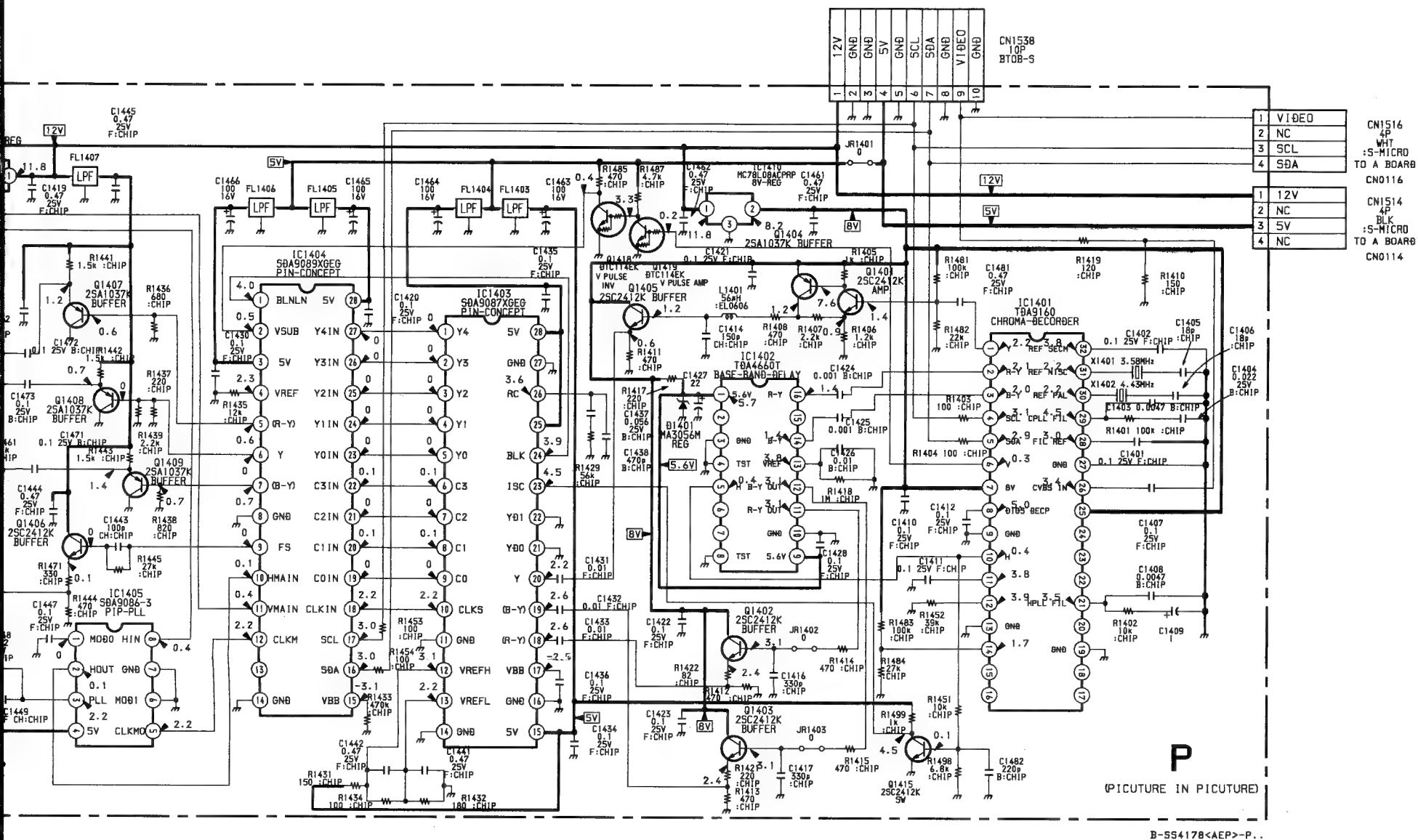




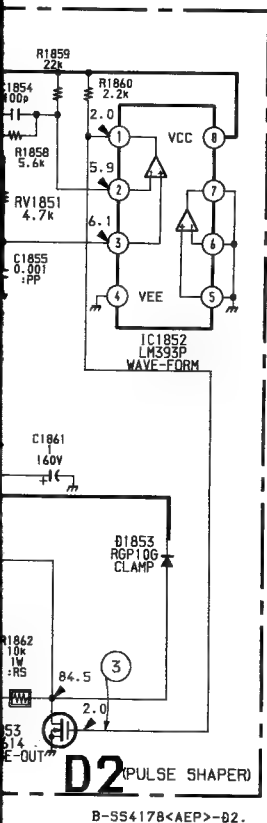
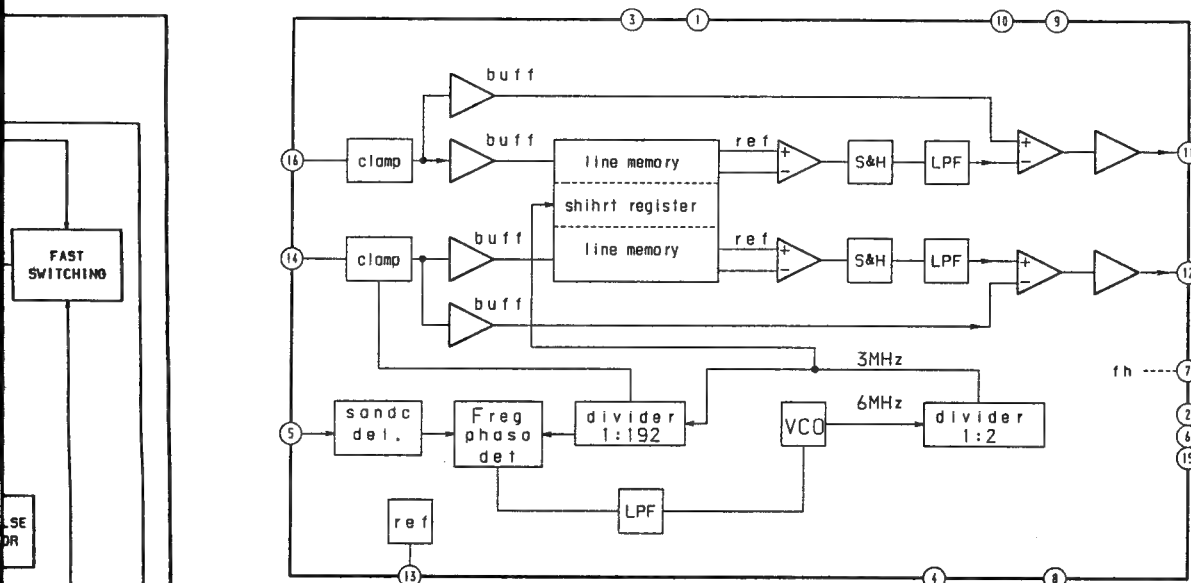


• B1 BOARD IC301 SBX1692-01

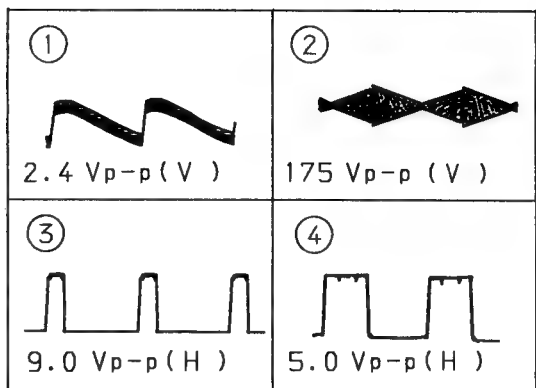




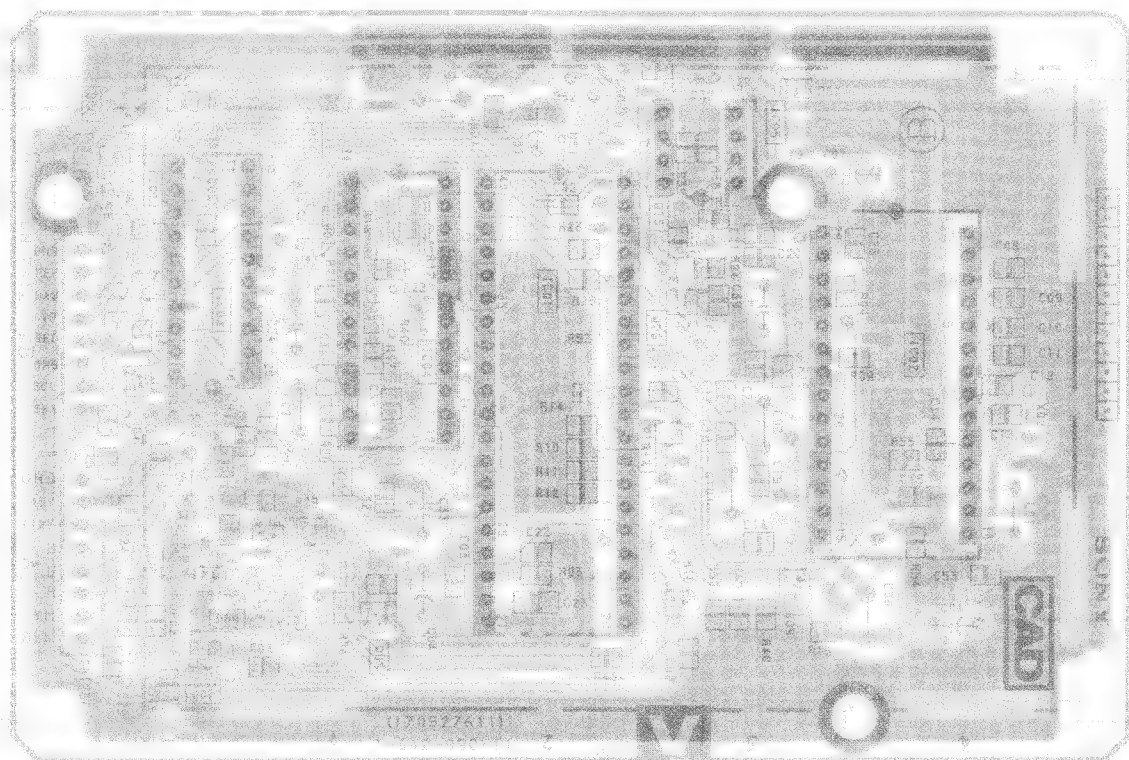
• P BOARD IC1402 TDA4660T



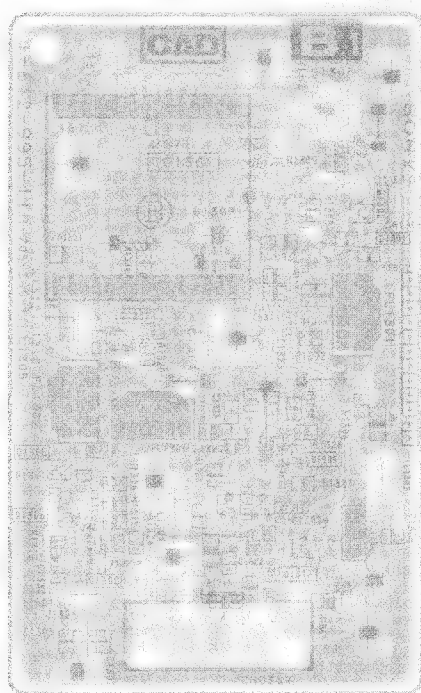
• WAVEFORMS D2 BOARD



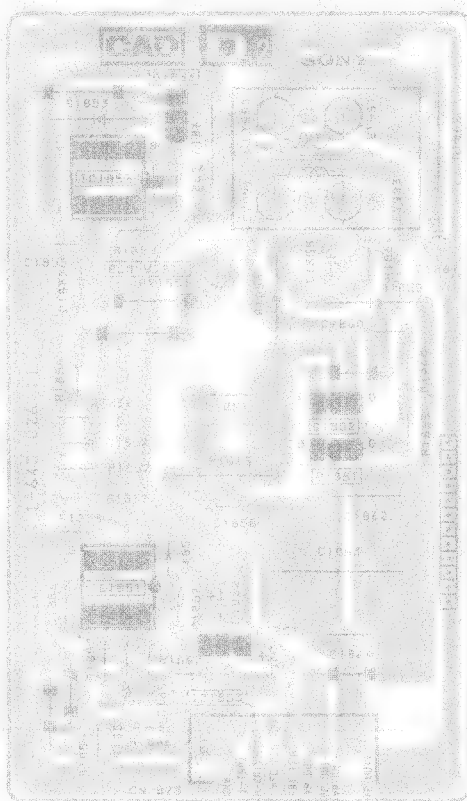
— V BOARD —



— B1 BOARD —



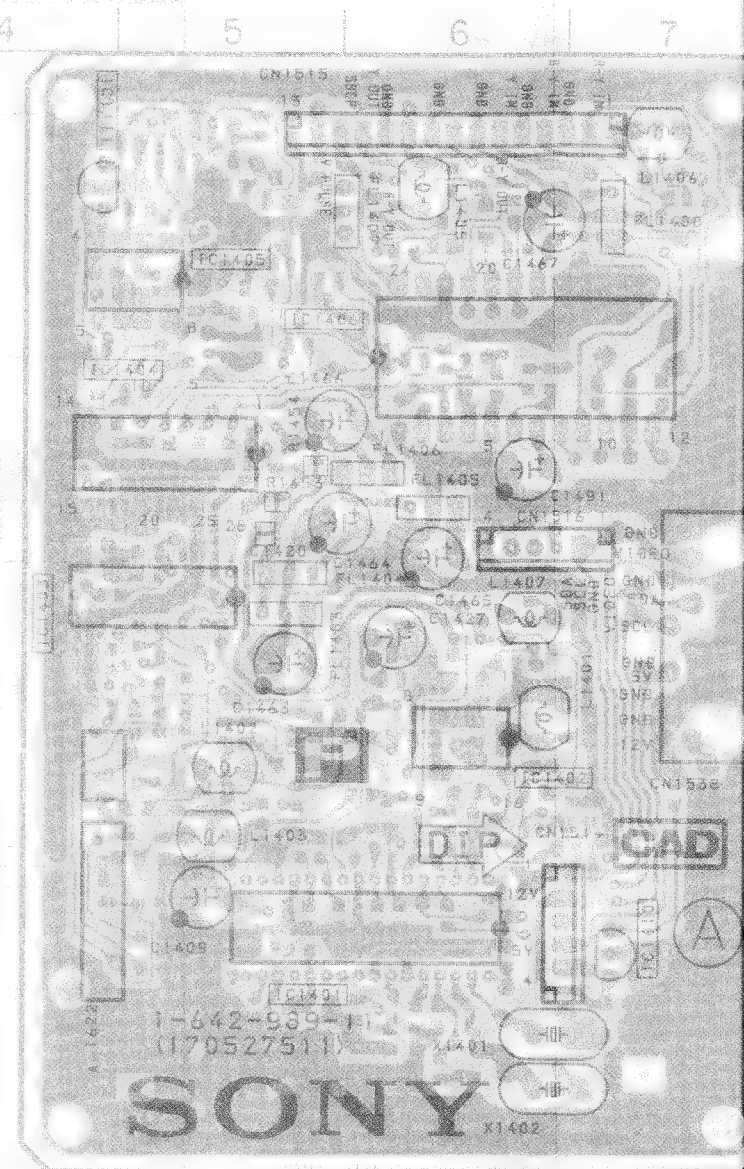
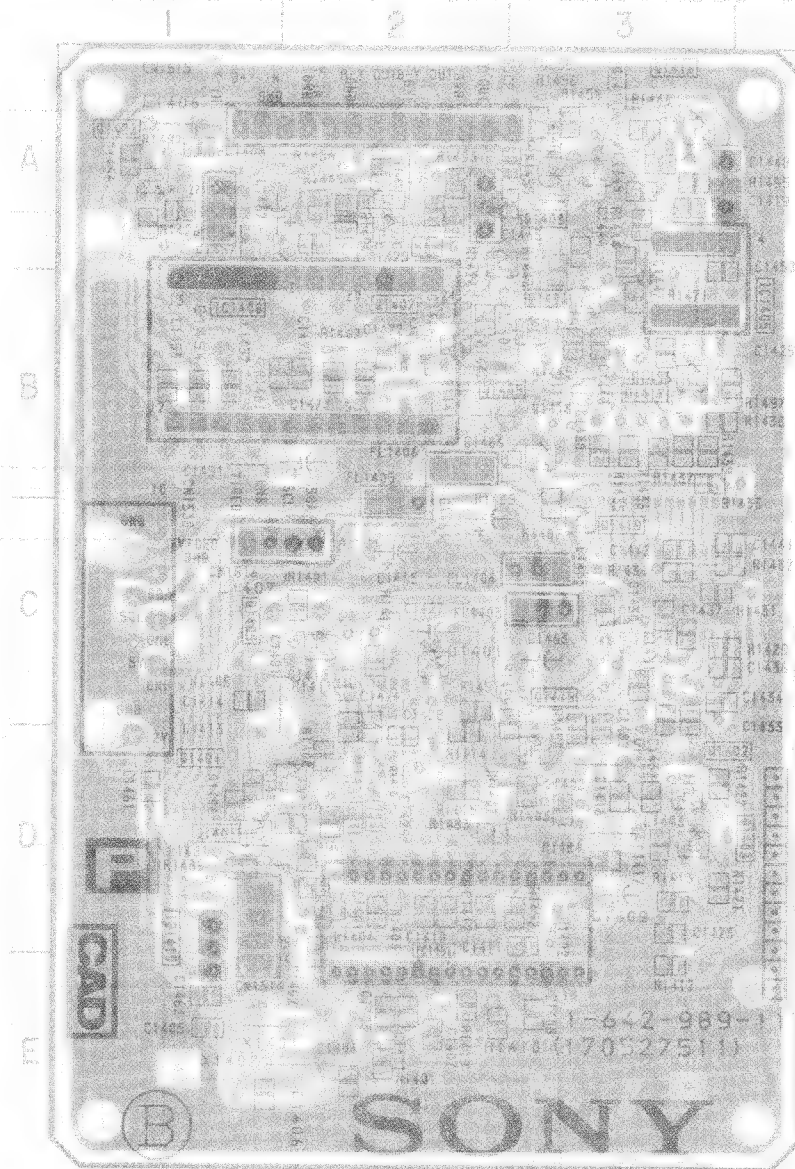
— D2 BOARD —



Note:

- Pattern from the side which enables seeing.
- Pattern of the rear side.

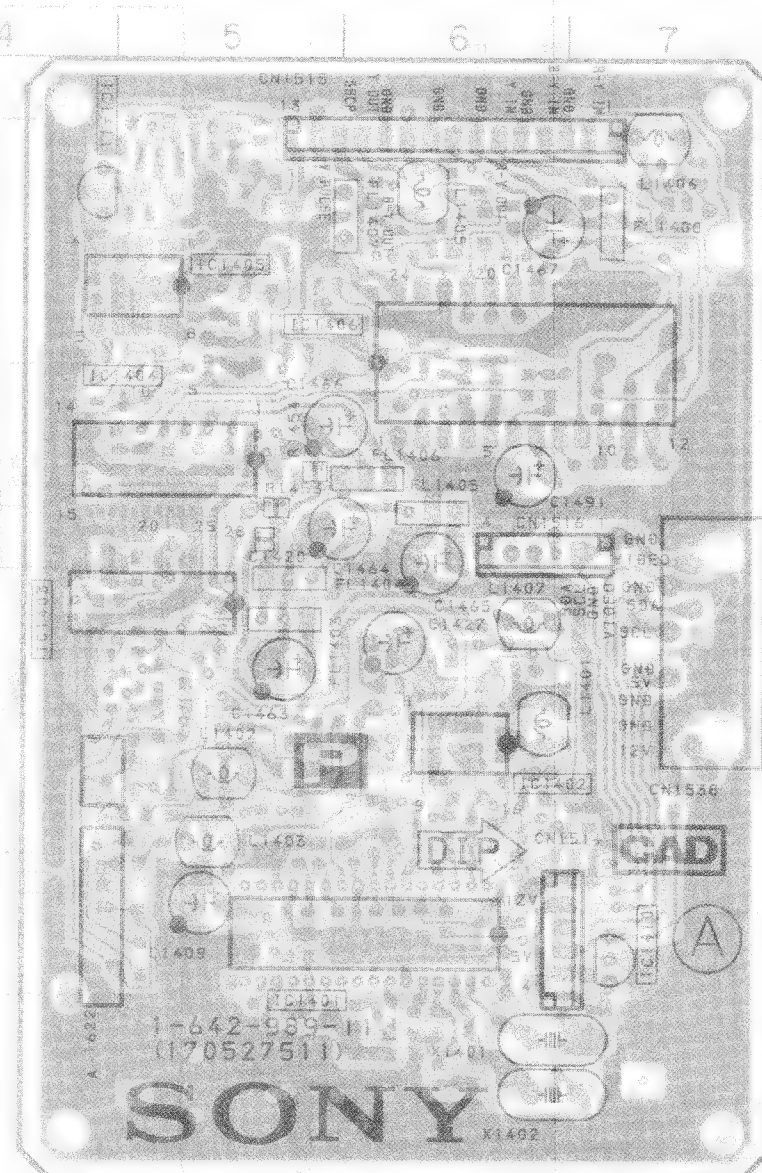
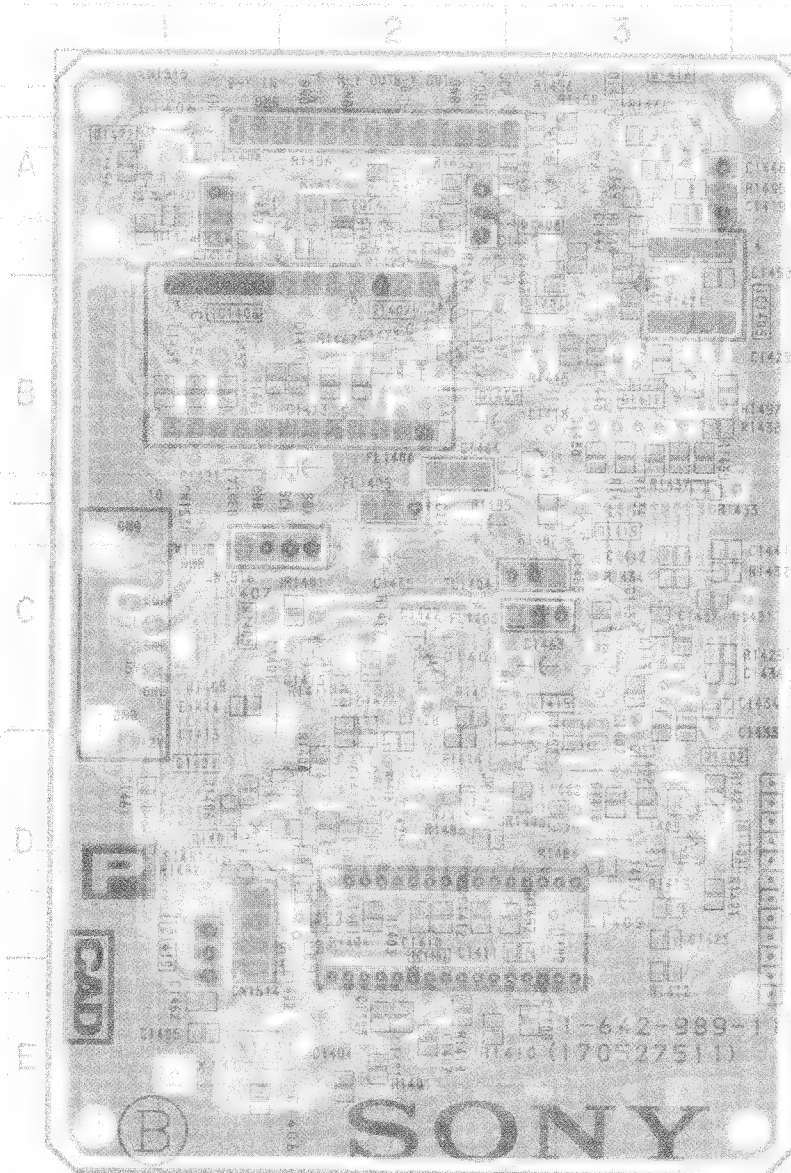
— P BOARD —



Note:

- Pattern from the side which enables seeing.
- Pattern of the rear side.

— P BOARD —



IC	
IC1401	D-2
IC1402	D-6
IC1403	C-5
IC1404	B-5
IC1405	B-3
IC1406	B-2
IC1410	D-1
IC1411	A-3

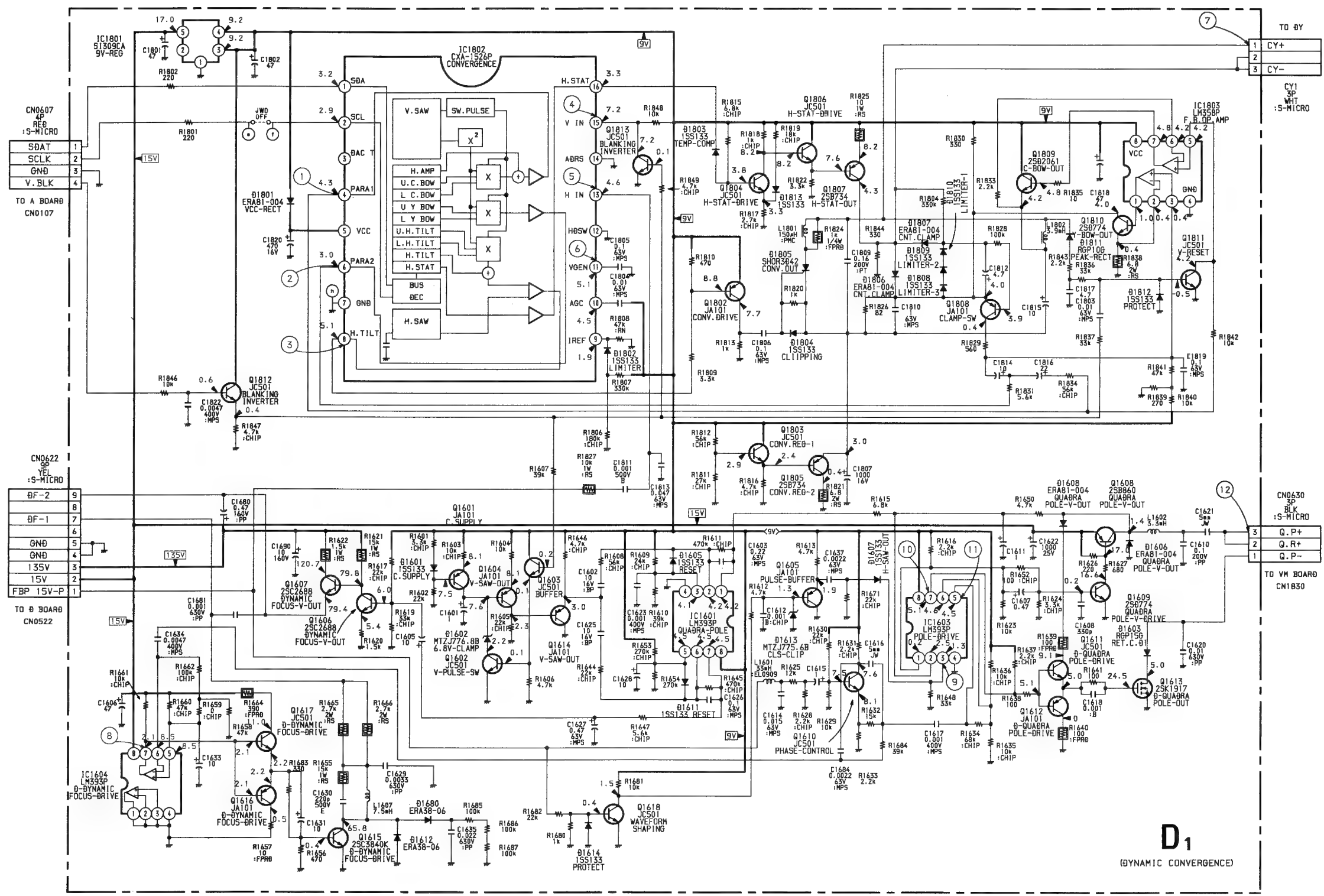
TRANSISTOR	
Q1401	D-1
Q1402	D-3
Q1403	D-3
Q1404	D-2
Q1405	C-2
Q1406	B-3
Q1407	A-2
Q1408	A-3
Q1409	B-3
Q1413	A-3
Q1414	A-3
Q1415	D-3
Q1416	A-3
Q1417	B-3
Q1418	B-3
Q1419	C-3
Q1421	A-2
Q1422	A-1

DIODED	
D1401	C-2

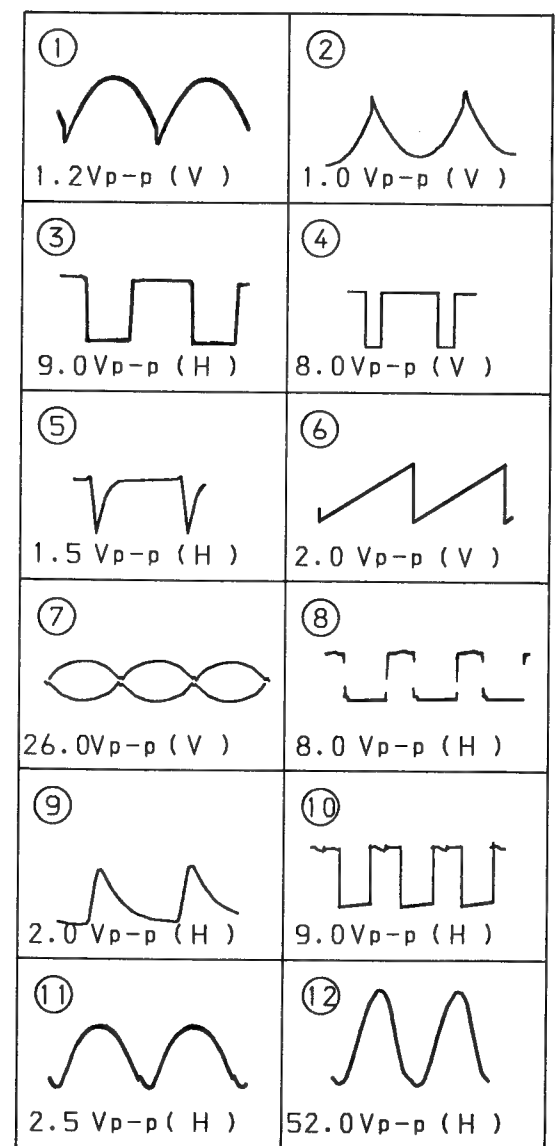
Note :

- Pattern from the side, which enables seeing.
- Pattern of the rear side.

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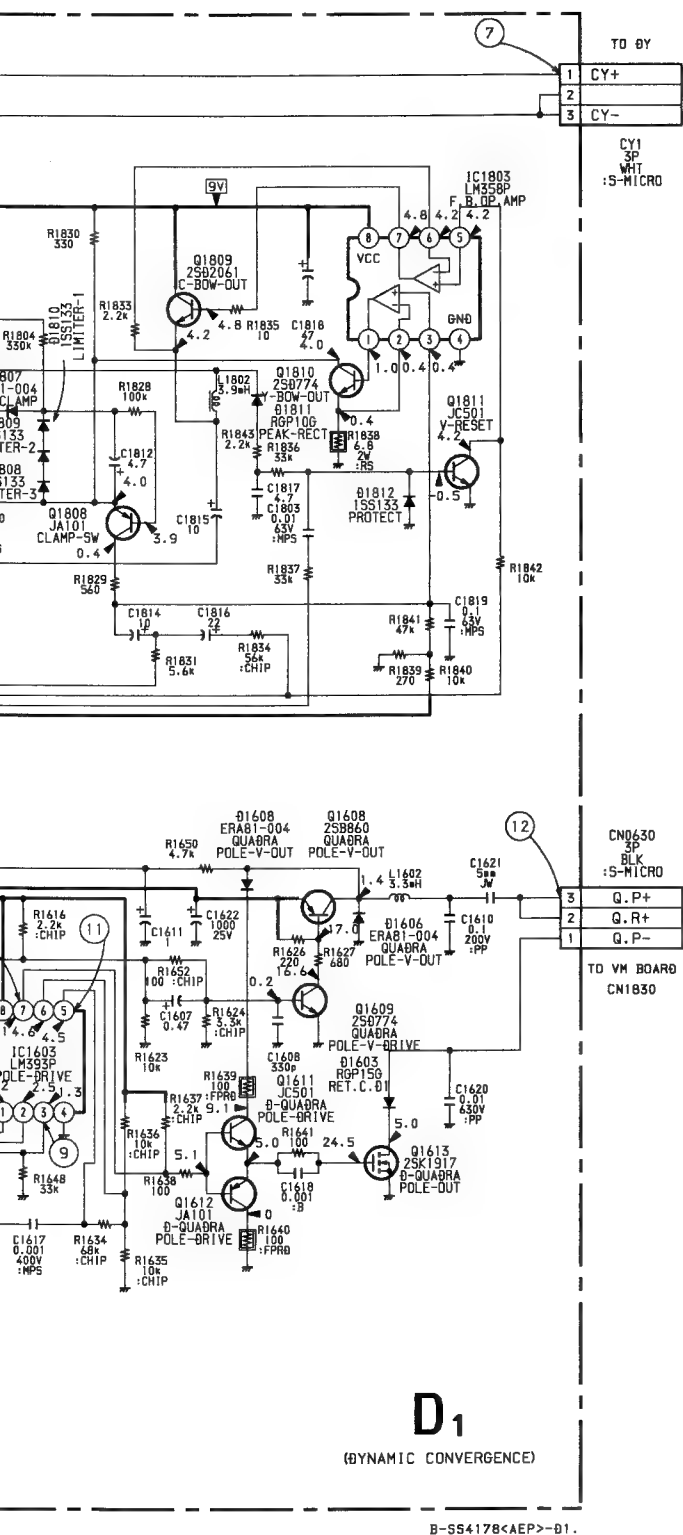


• WAVEFORMS D1 BOARD

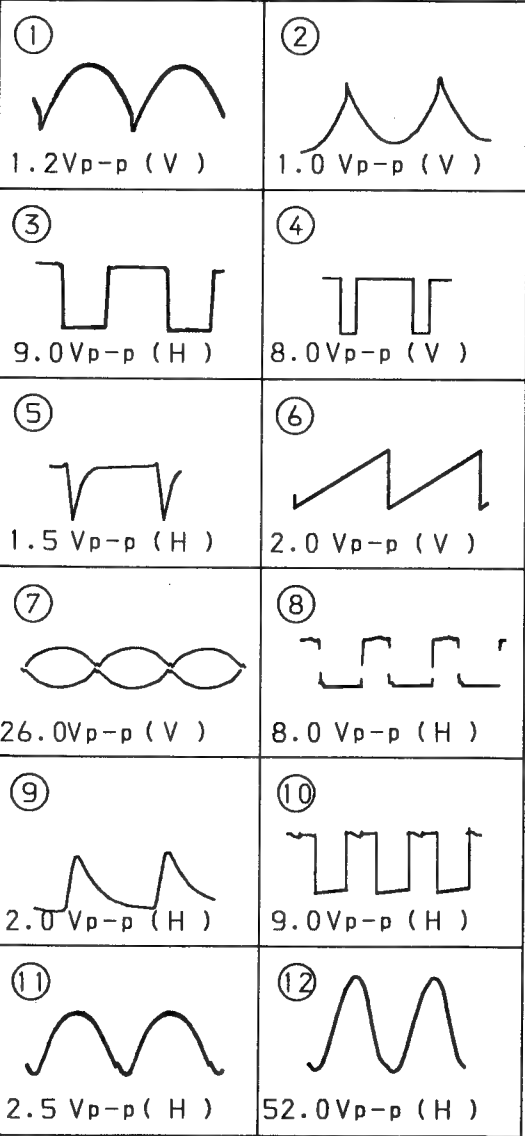


D1
(DYNAMIC CONVERGENCE)

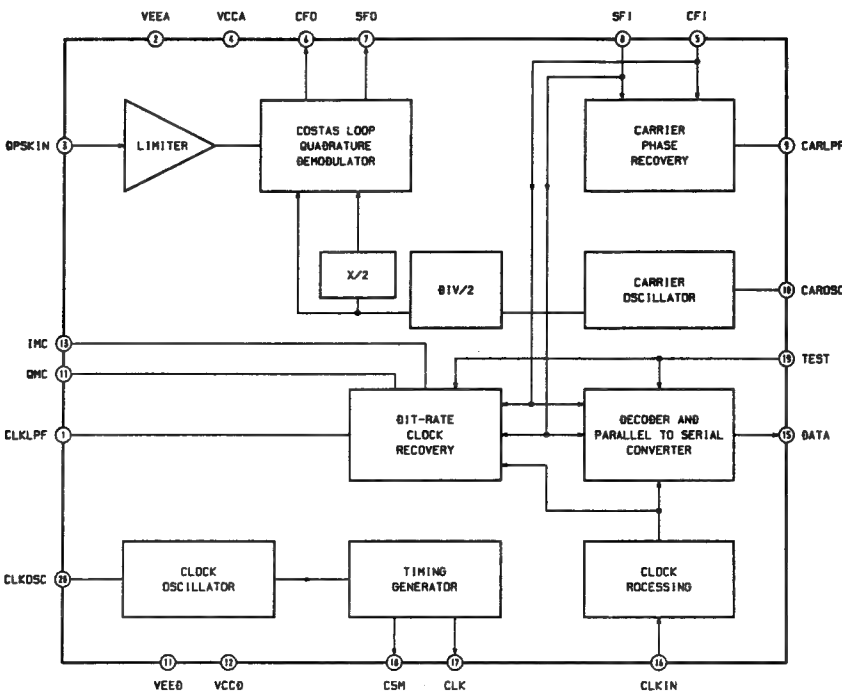
B-SS4178(AEP)-01.



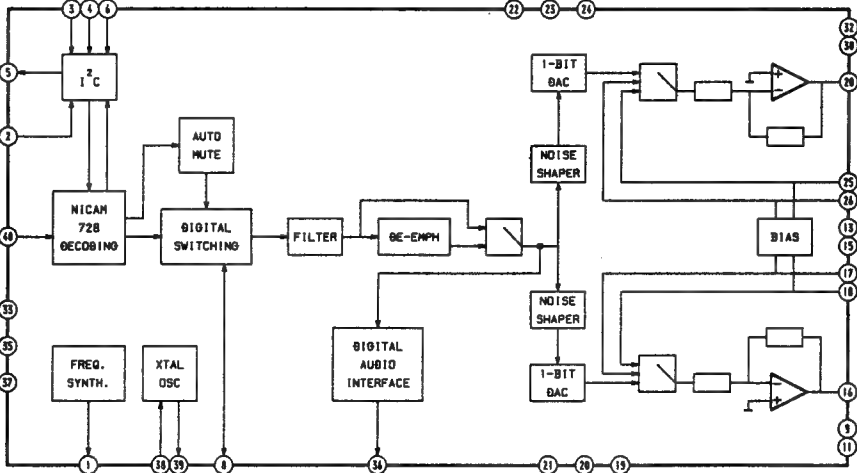
• WAVEFORMS D1 BOARD



• A1 BOARD IC1101 TDA8732



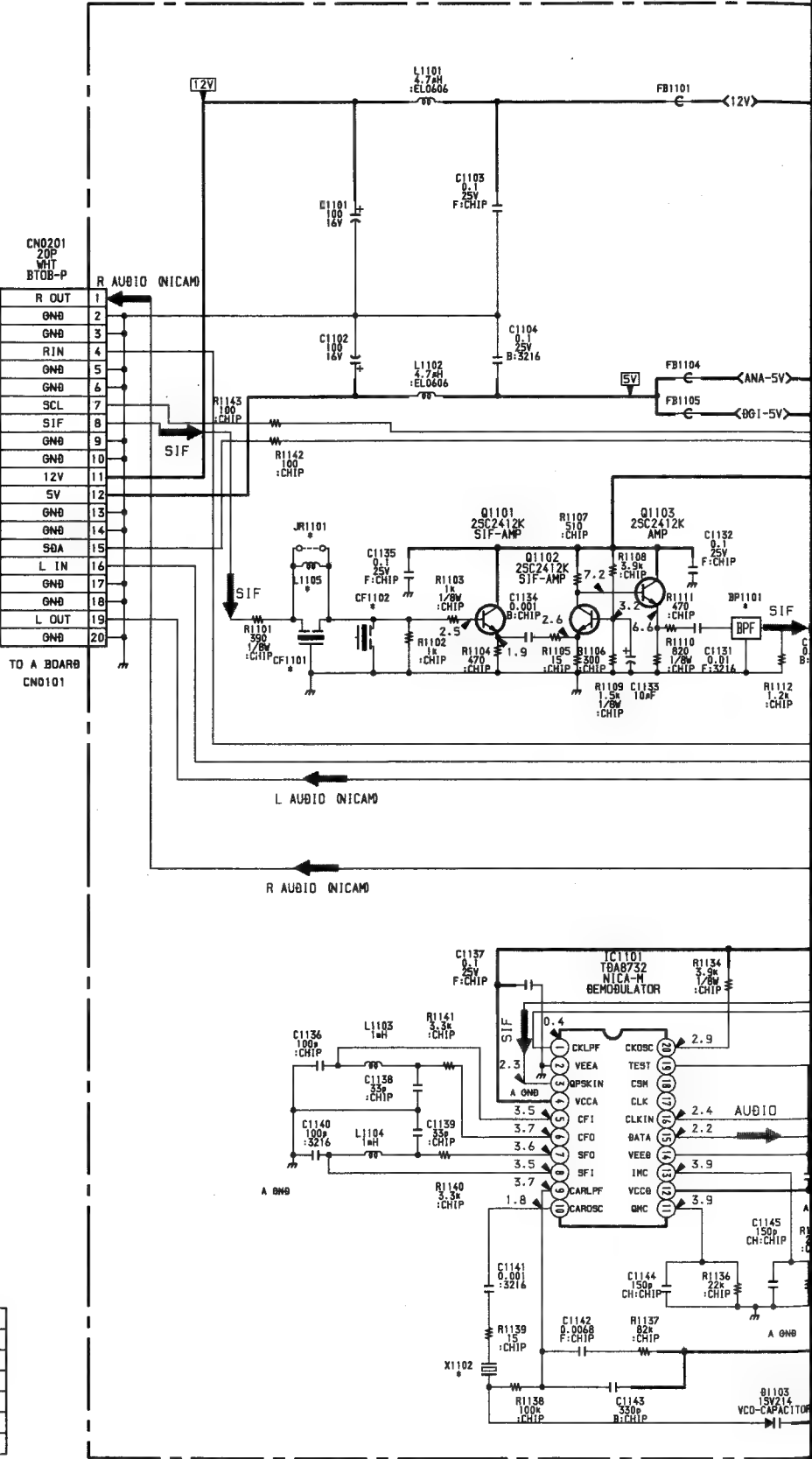
• A1 BOARD IC1102 SAA7282P



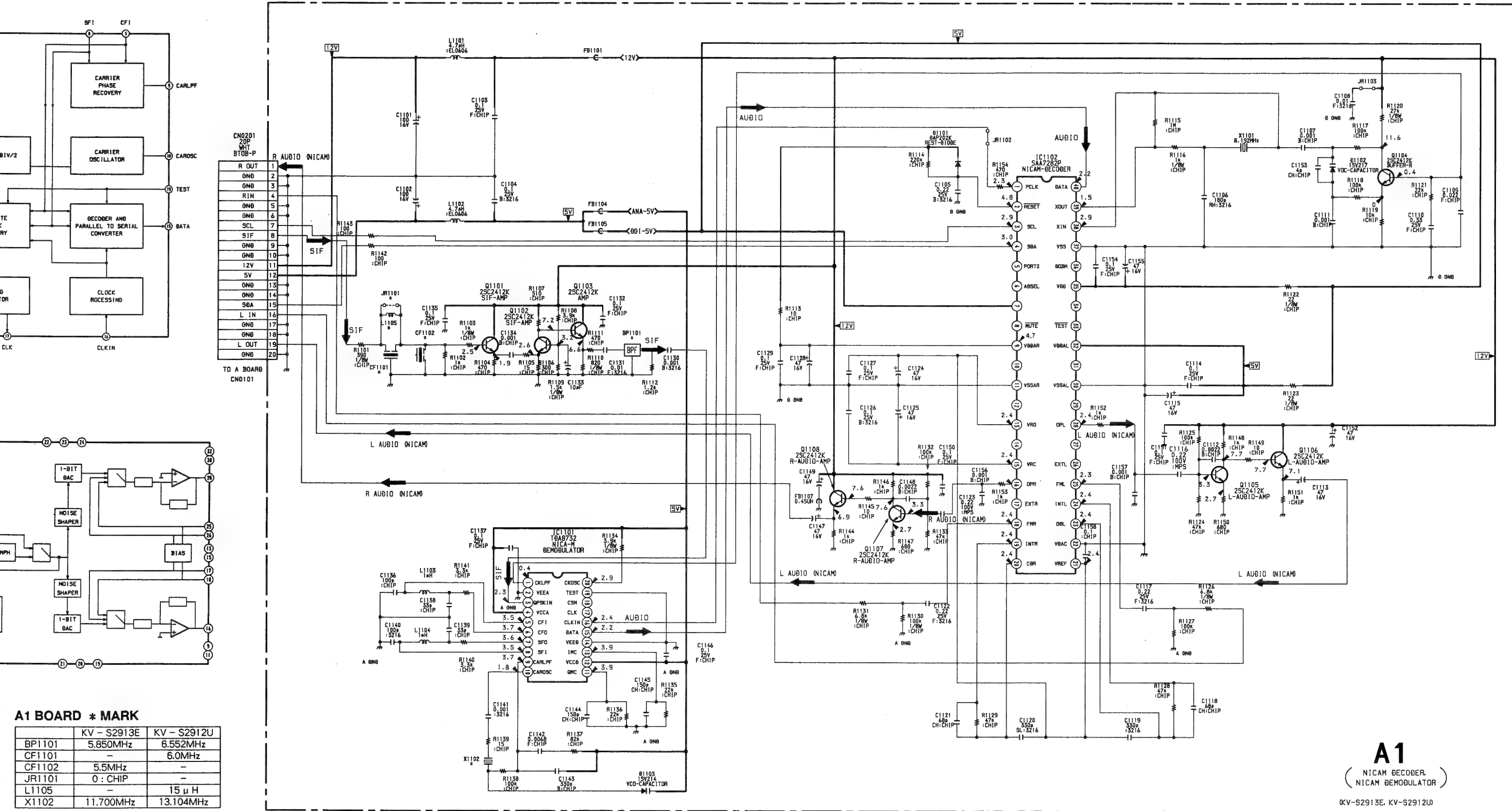
A1 BOARD * MARK

	KV - S2913E	KV - S2912U
BP1101	5.850MHz	6.552MHz
CF1101	-	6.0MHz
CF1102	5.5MHz	-
JR1101	0 : CHIP	-
L1105	-	15 μH
X1102	11.700MHz	13.104MHz

KV-S2912U/S2913E only



KV-S2912U/S2913E only

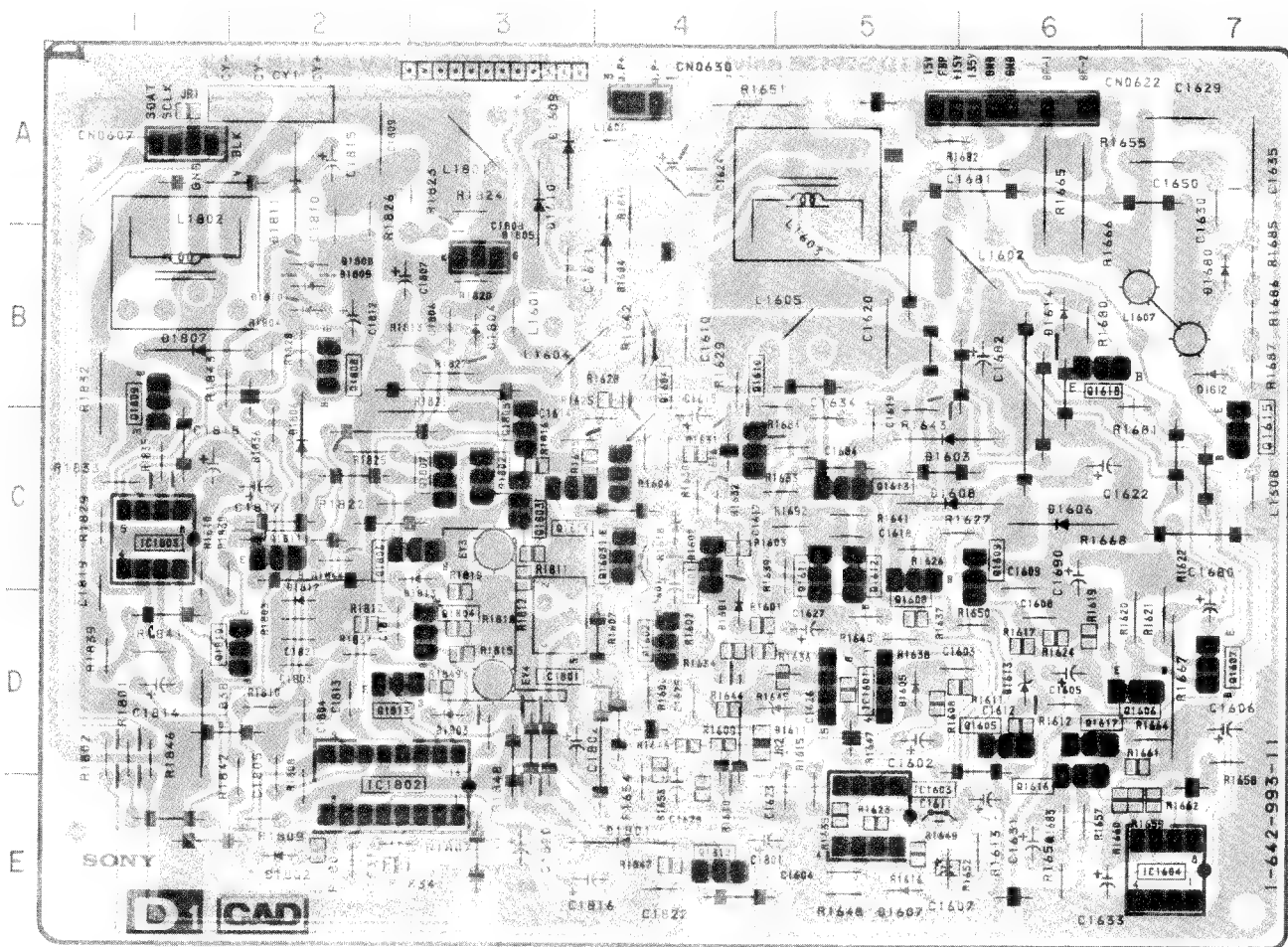


A1 BOARD * MARK

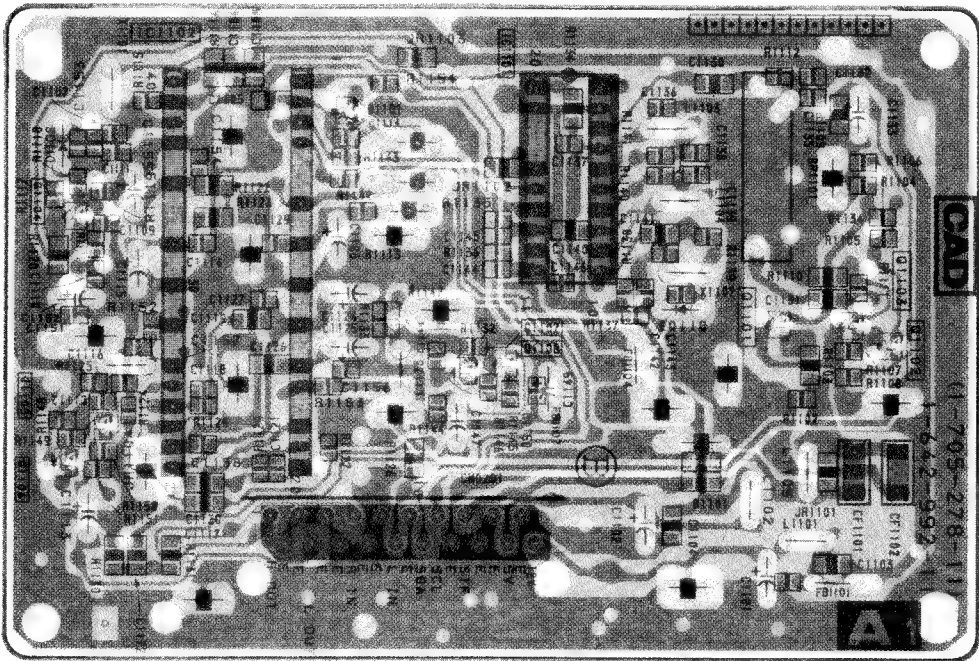
	KV - S2913E	KV - S2912U
BP1101	5.850MHz	6.552MHz
CF1101	-	6.0MHz
CF1102	5.5MHz	-
JR1101	0 : CHIP	-
L1105	-	15 μ H
X1102	11.700MHz	13.104MHz

A1
(NICAM DECODER,
NICAM DEMODULATOR)
(KV-S2913E, KV-S2912U)

- D1 BOARD -



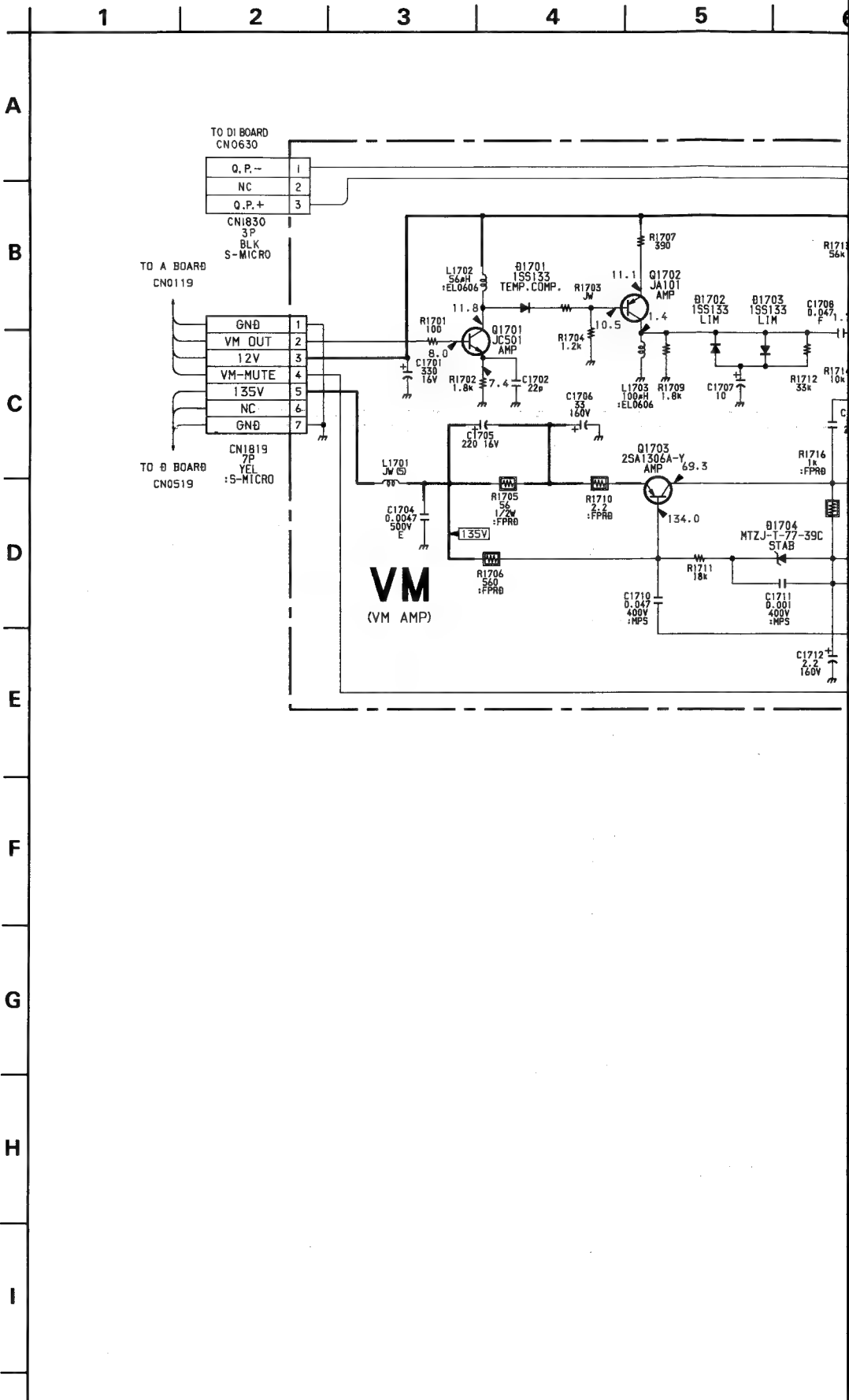
- A1 BOARD - KV-S2912U/S2913E only



Note:

- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

IC		DIODE	
IC1601	D-5	D1601	D-4
IC1603	E-5	D1602	C-4
IC1604	E-7	D1603	C-5
IC1801	D-3	D1605	D-5
IC1802	E-2	D1606	C-6
IC1803	C-1	D1607	D-5
TRANSISTOR		D1608	C-5
		D1611	D-5
		D1612	B-7
		D1613	D-6
		D1614	B-6
		D1680	B-7
		D1801	E-4
		D1802	E-2
		D1803	D-3
		D1804	B-3
		D1805	B-3
		D1806	C-2
		D1807	B-1
Q1601	C-4	D1808	B-2
Q1602	D-4	D1809	B-2
Q1603	C-4	D1810	B-2
Q1604	C-4	D1811	A-2
Q1605	D-6	D1812	D-2
Q1606	D-6	D1813	C-3
Q1607	D-7		
Q1608	C-5		
Q1609	C-6		
Q1610	C-4		
Q1611	C-5		
Q1612	C-5		
Q1613	C-5		
Q1614	C-3		
Q1615	C-7		
Q1616	D-6		
Q1617	D-6		
Q1618	B-6		
Q1802	C-3		
Q1803	C-3		
Q1804	D-3		
Q1805	C-3		
Q1806	C-3		
Q1807	C-3		
Q1808	B-2		
Q1809	B-1		
Q1810	D-2		
Q1811	C-2		
Q1812	E-4		
Q1813	D-2		



CODE

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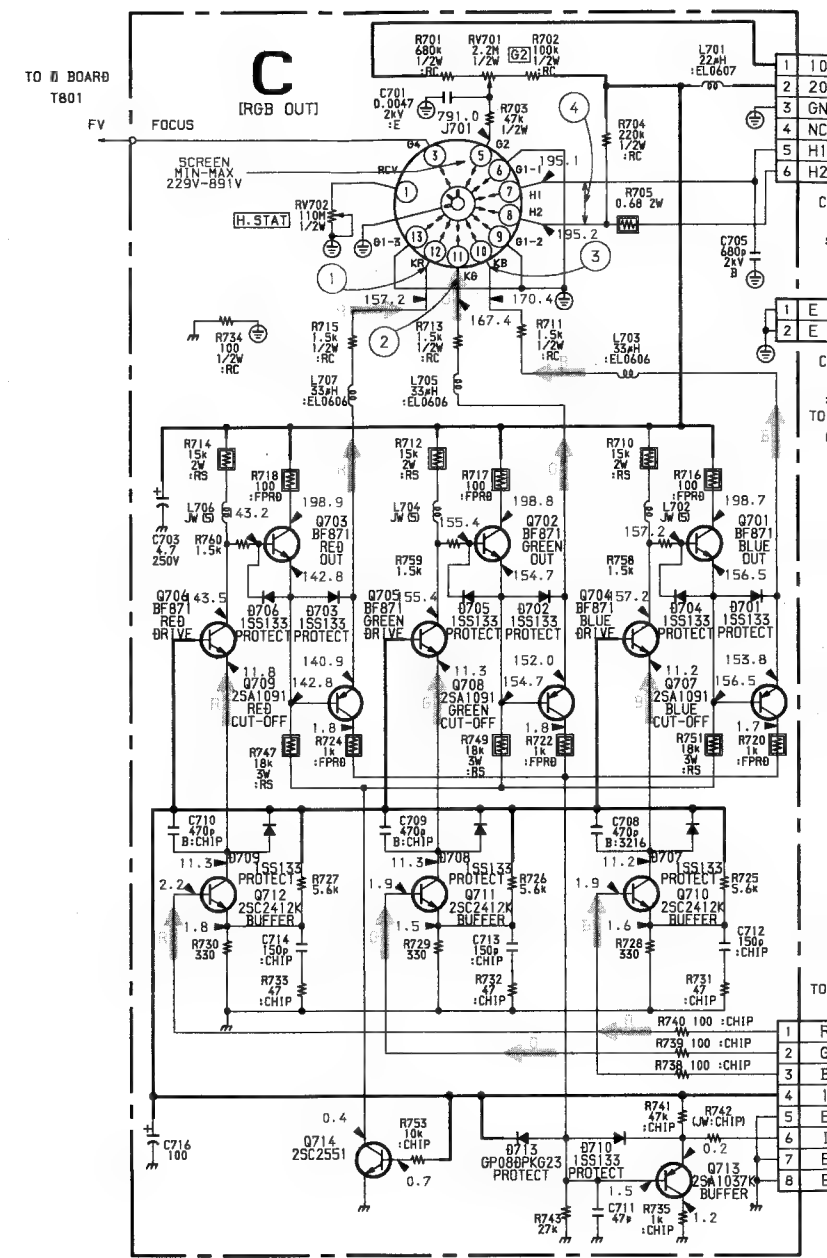
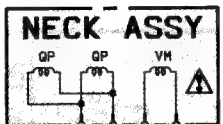
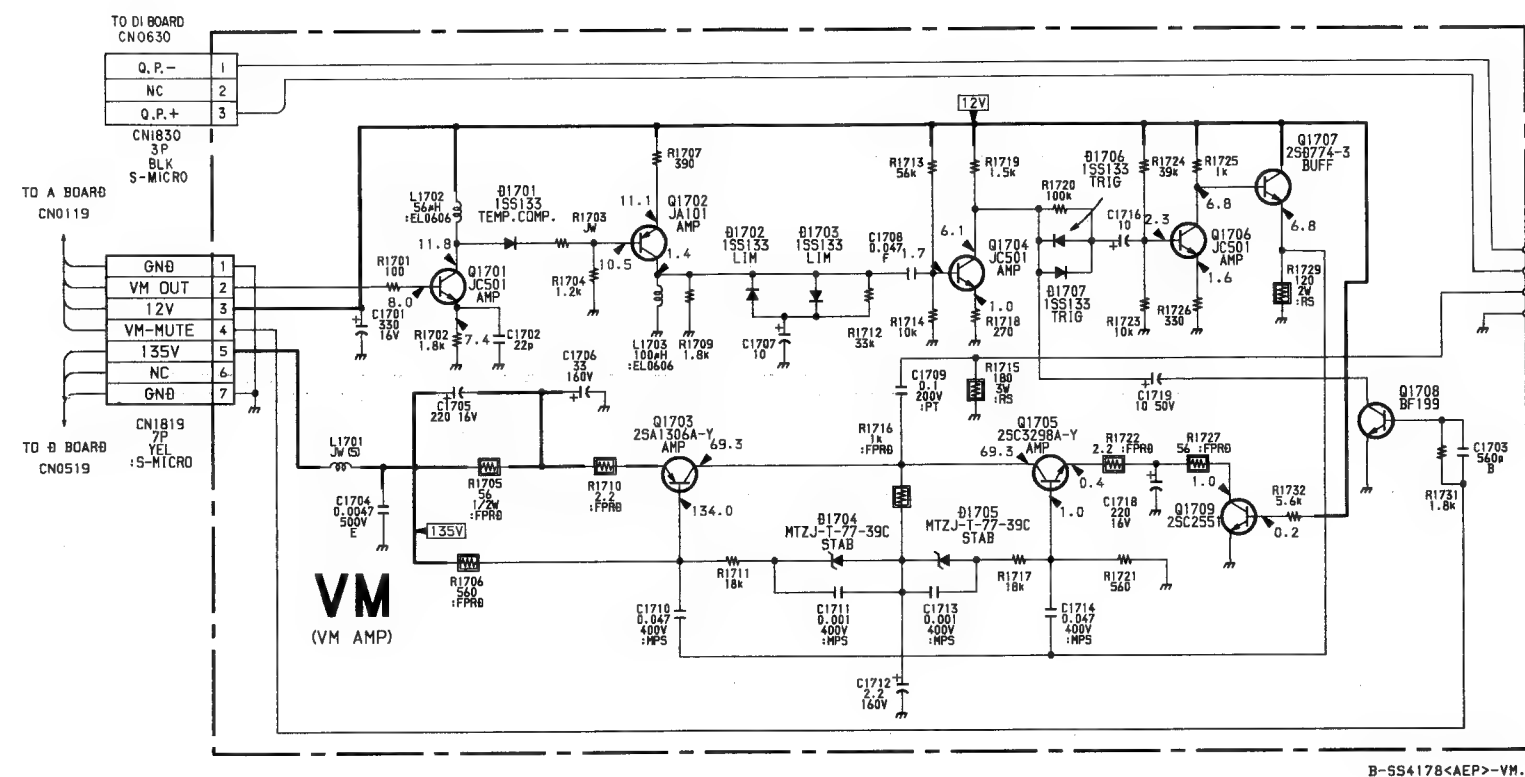
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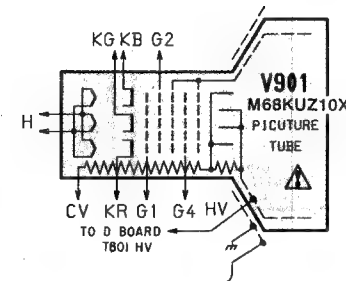
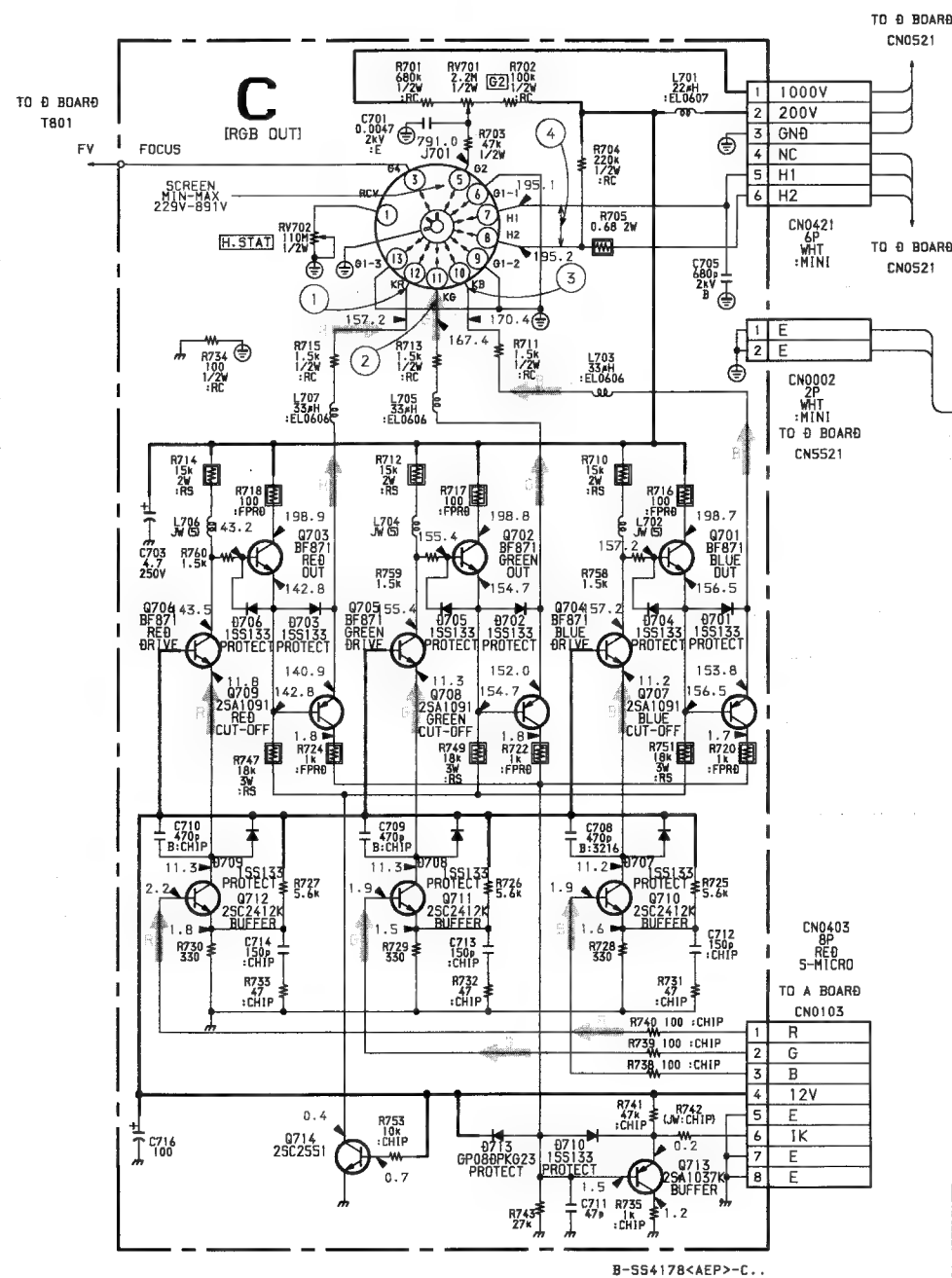
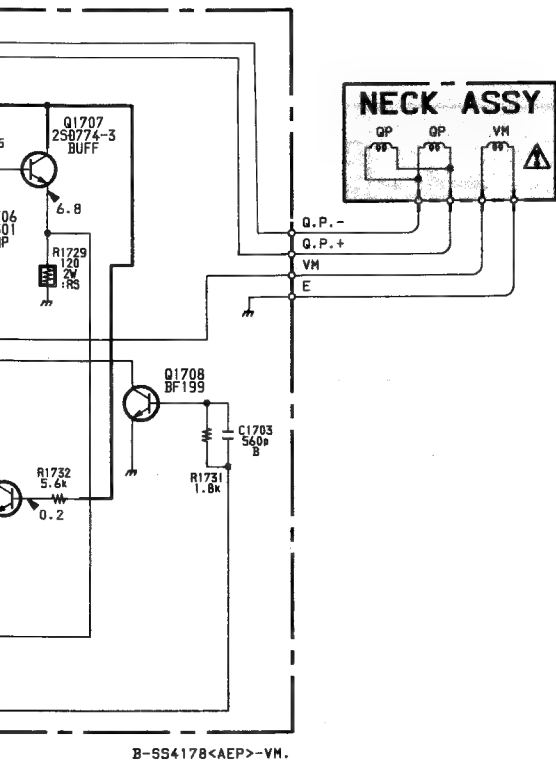
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13

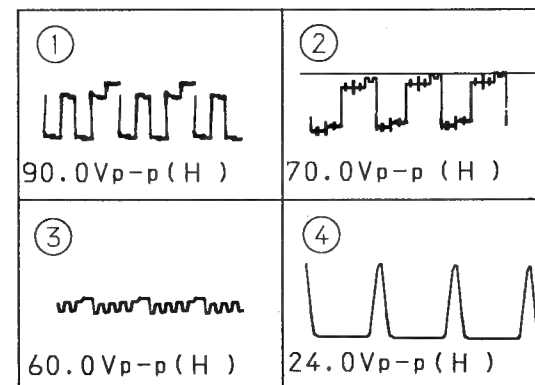
14

15

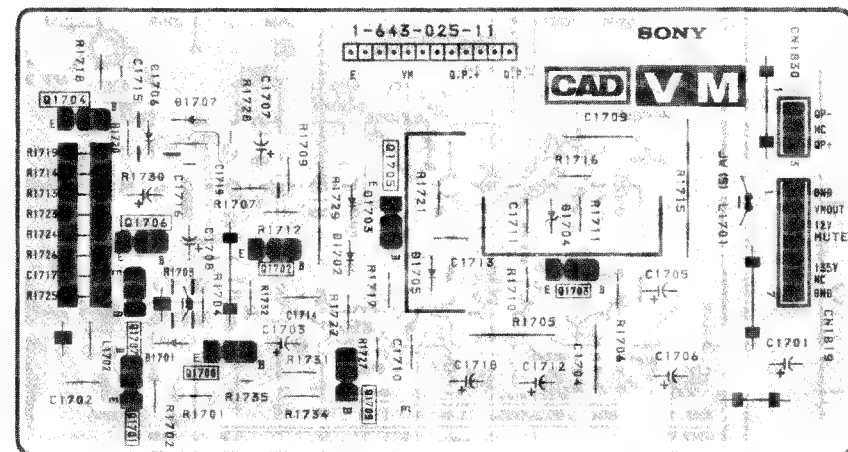




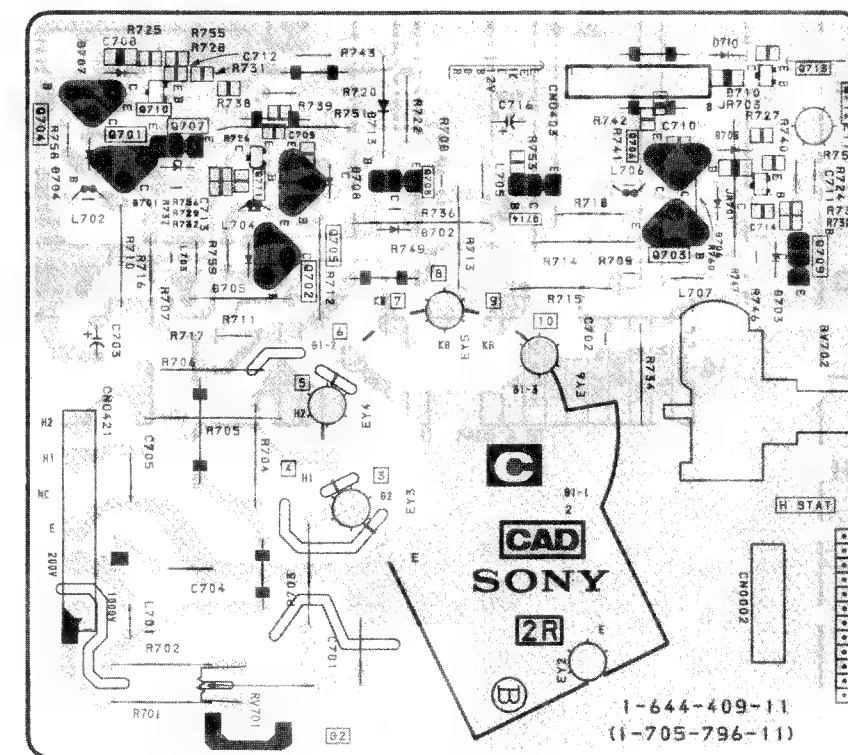
• WAVEFORMS C BOARD



— VM BOARD —

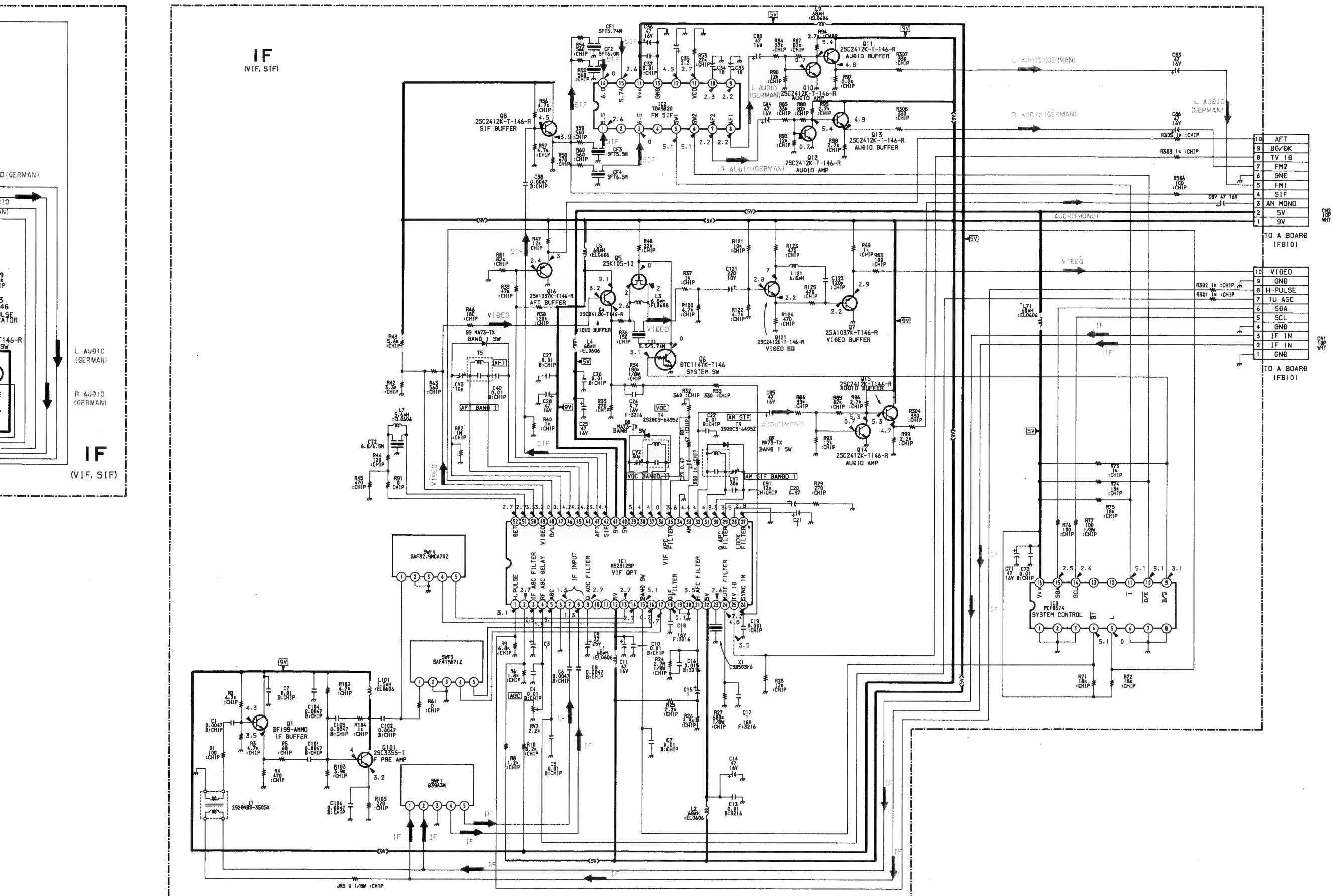


- C BOARD -

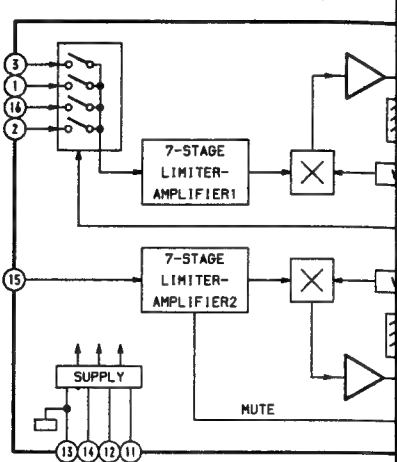




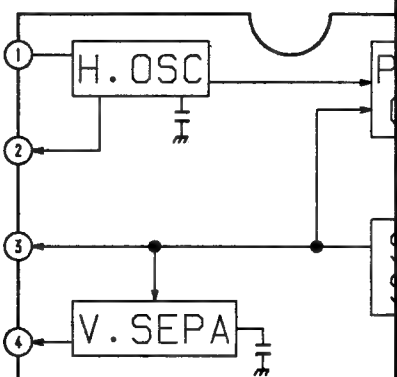
IFH389S KV-S2911B only



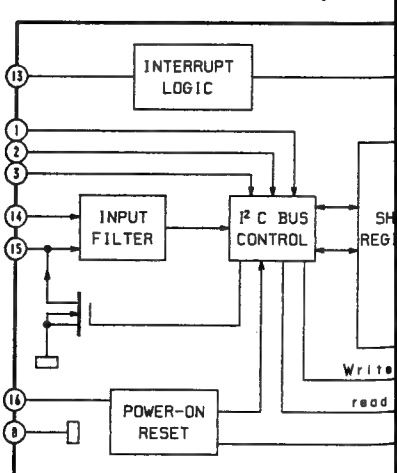
• IF BOARD IC2 TDA9820 (KV-S2911B only)

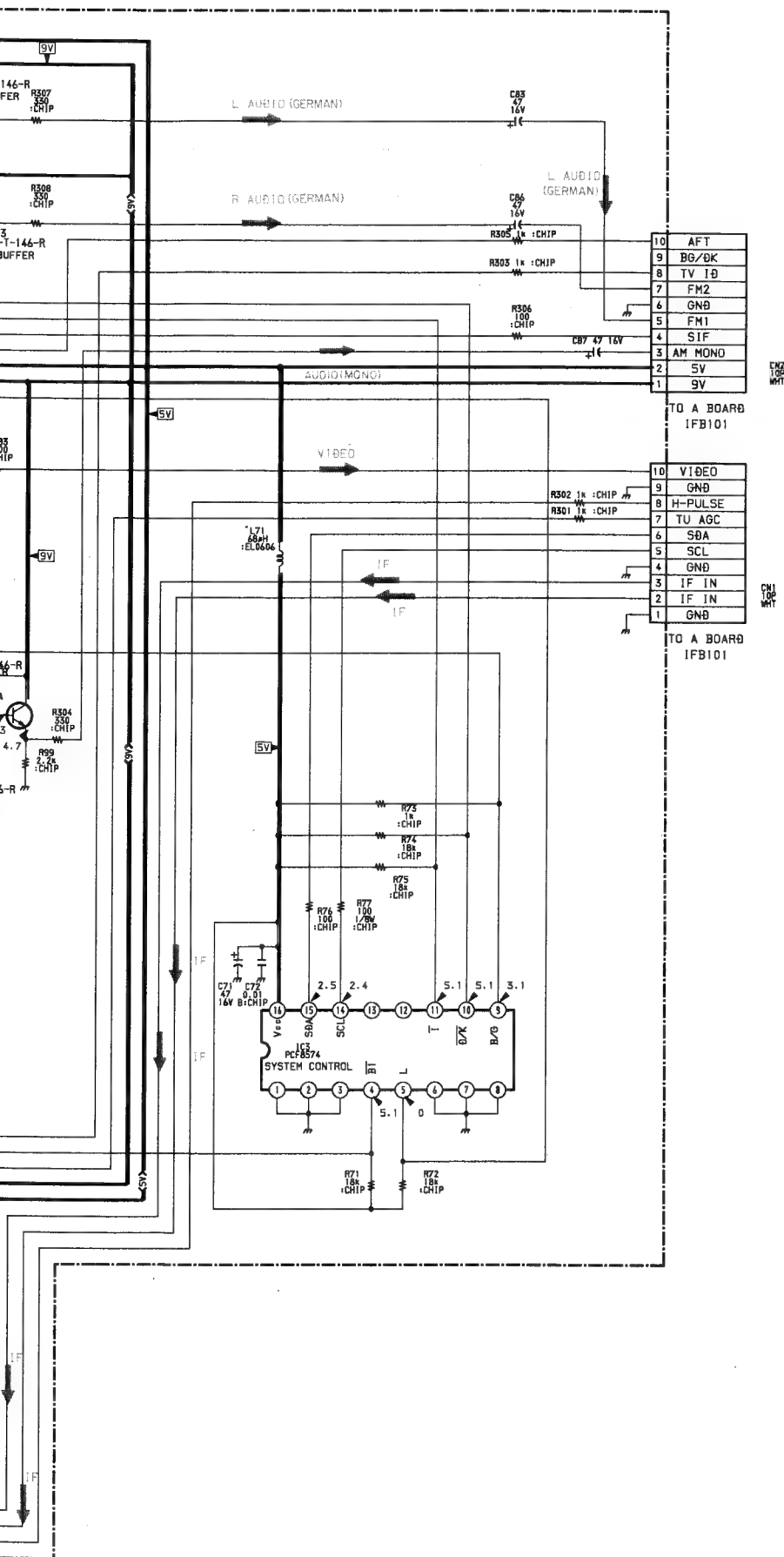


• IF BOARD IC3 BA7046 (KV-S2911B only)



• IF BOARD IC3 PCF8574 (KV-S2911B only)

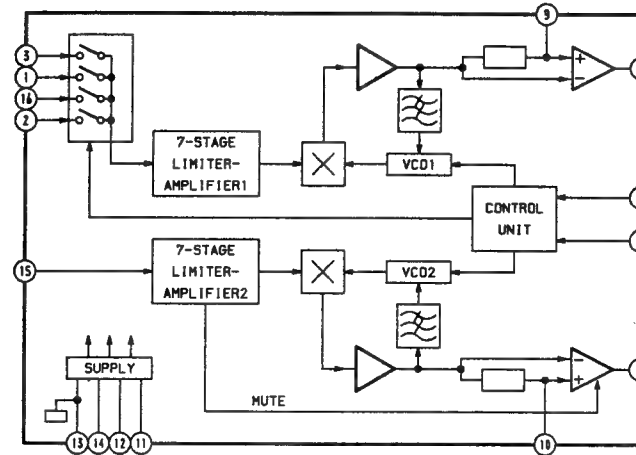




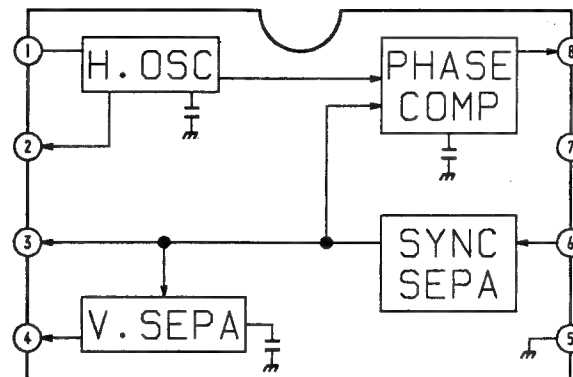
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[VIF, SIF]

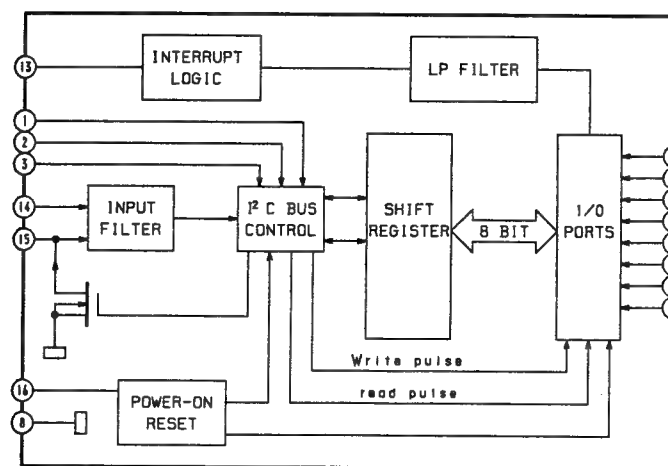
• IF BOARD IC2 TDA9820 (KV-S2911D/S2913E)



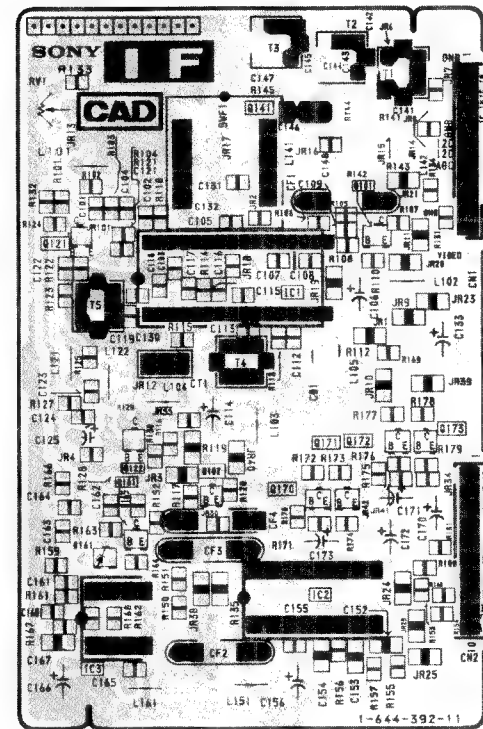
• IF BOARD IC3 BA7046 (KV-S2911D/S2913E)



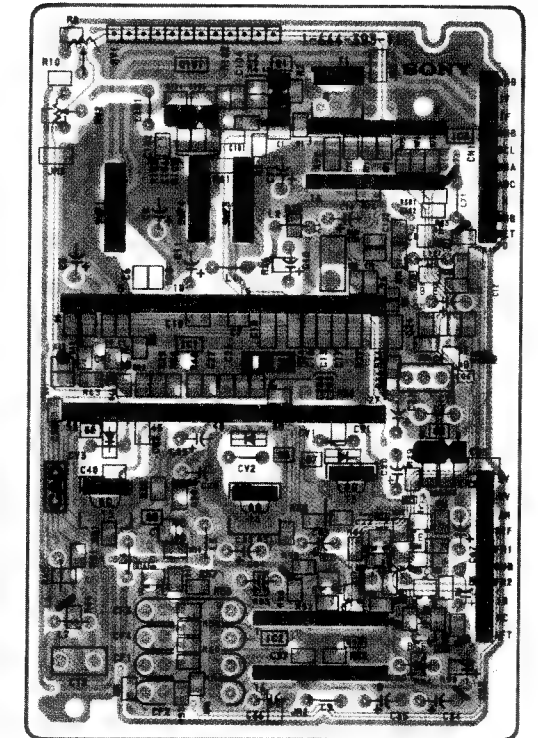
• IF BOARD IC3 PCF8574 (KV-S2911B)



– IF BOARD – (KV-S2911D/S2913E only)

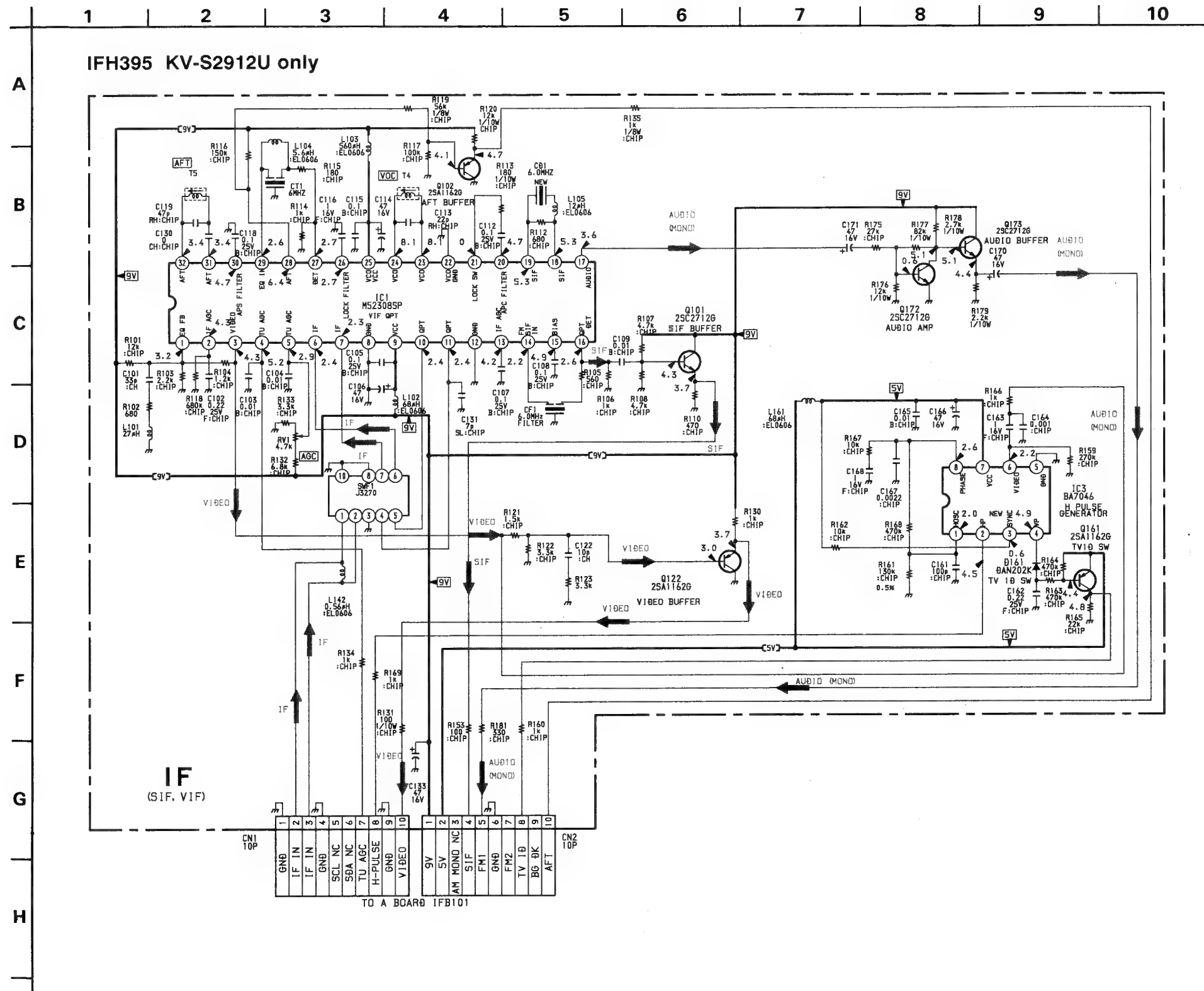


– IF BOARD – (KV-S2911B only)

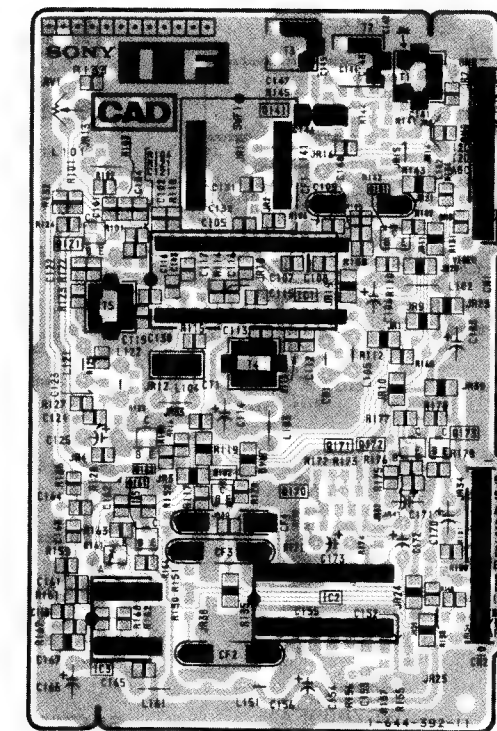


Note :

- : Pattern of the rear side.

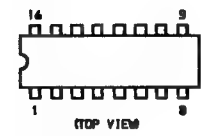


– IF BOARD – (KV-S2912U only)



5-5. SEMICONDUCTORS

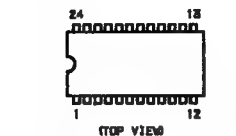
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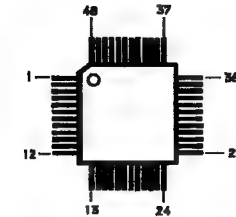
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CXA1587S



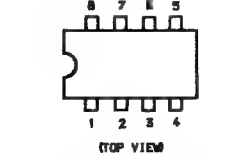
CX01050A-15P
T0A8443A/C4
T0A9145



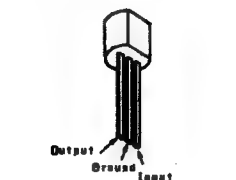
CX02018Q



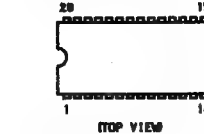
LM3580
LM358P
LM393P
S0A9086-3
T0A2822-M
T0A4605-3
TEA2114
X24C16P



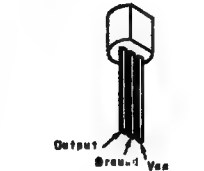
MC78L05ACPRP
MC78L08CPRP



M27C512-20B1-AE21
S0A5231-2
T0A6612



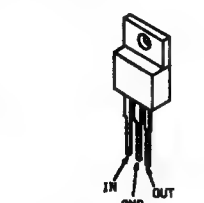
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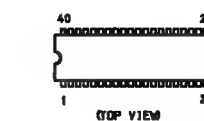
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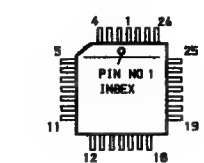
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RC7809FA



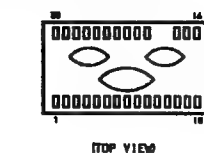
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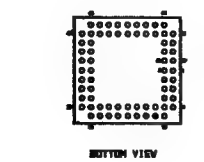
SBX1610-11



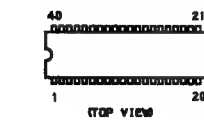
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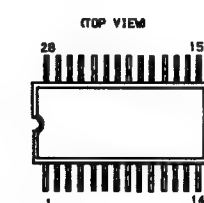
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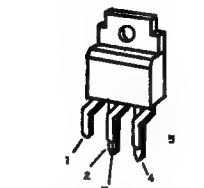
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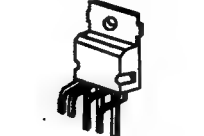
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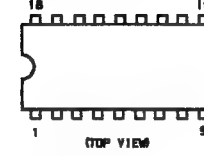
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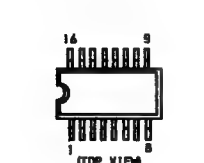
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T0A8179S



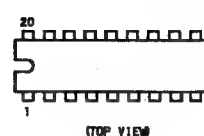
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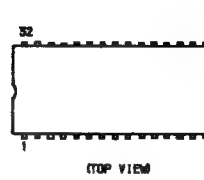
T0A4660T
T0A4660V2



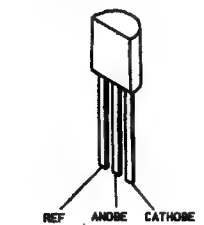
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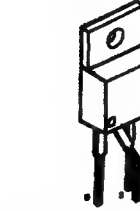
T0A9160



TL431CLP



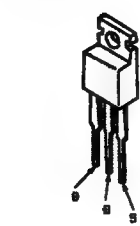
BUZ91A-S



0TA124EK
0TA144EK
0TC114EK
0TC124EK
0TC144EK
2SA1162-G
2SC1623-L5L6
2SC2413KT-Q



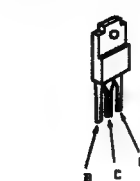
IRF540Y
IRY610
IRF614



2SA733K
2SA1091-
2SC2551-



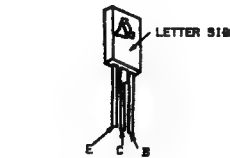
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2SC3298B-Y



2SB734-34
2SB774-34



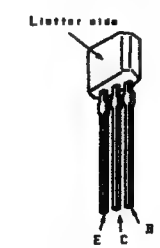
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2SC2611
2SC2688-LK



2SB860
2SD2012



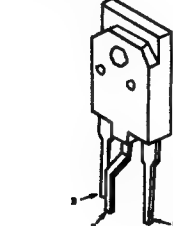
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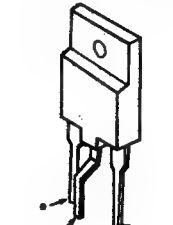
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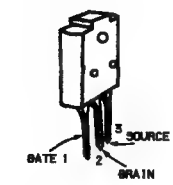
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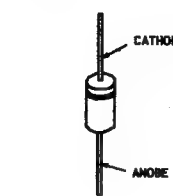
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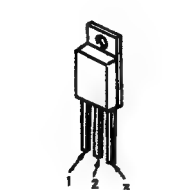
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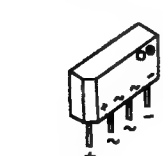
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BB809
EGP20G
ERA81-004
RGP02-20EL-6394
RU-3AM
RU-30ALFS1
R2K



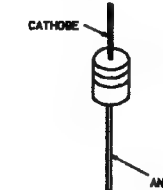
CTU-125



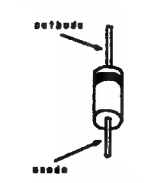
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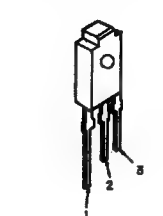
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MTZJ-3.6A
MTZJ-9.1
MTZJ-30B
MTZJ-33C
MTZJ-39C
R012ES-B2
R05.6ES-B1
R05.6ES-B2
R06.2ES-B2
R06.8ES-B2
R07.5ES-B2
1SS119



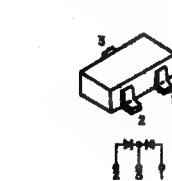
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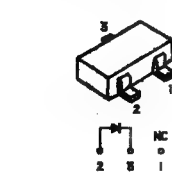
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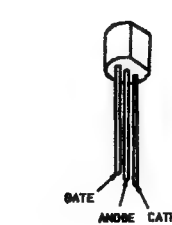
MA152WK



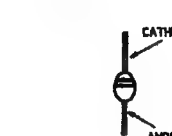
MA3039H-TX
R05.6M-B2



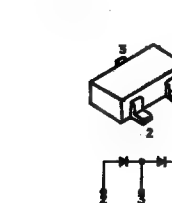
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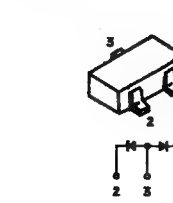
U05G



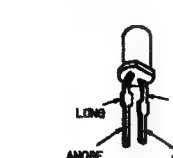
1SS226



1S2836



L0-201VR



SECTION 6 EXPLODED VIEWS

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

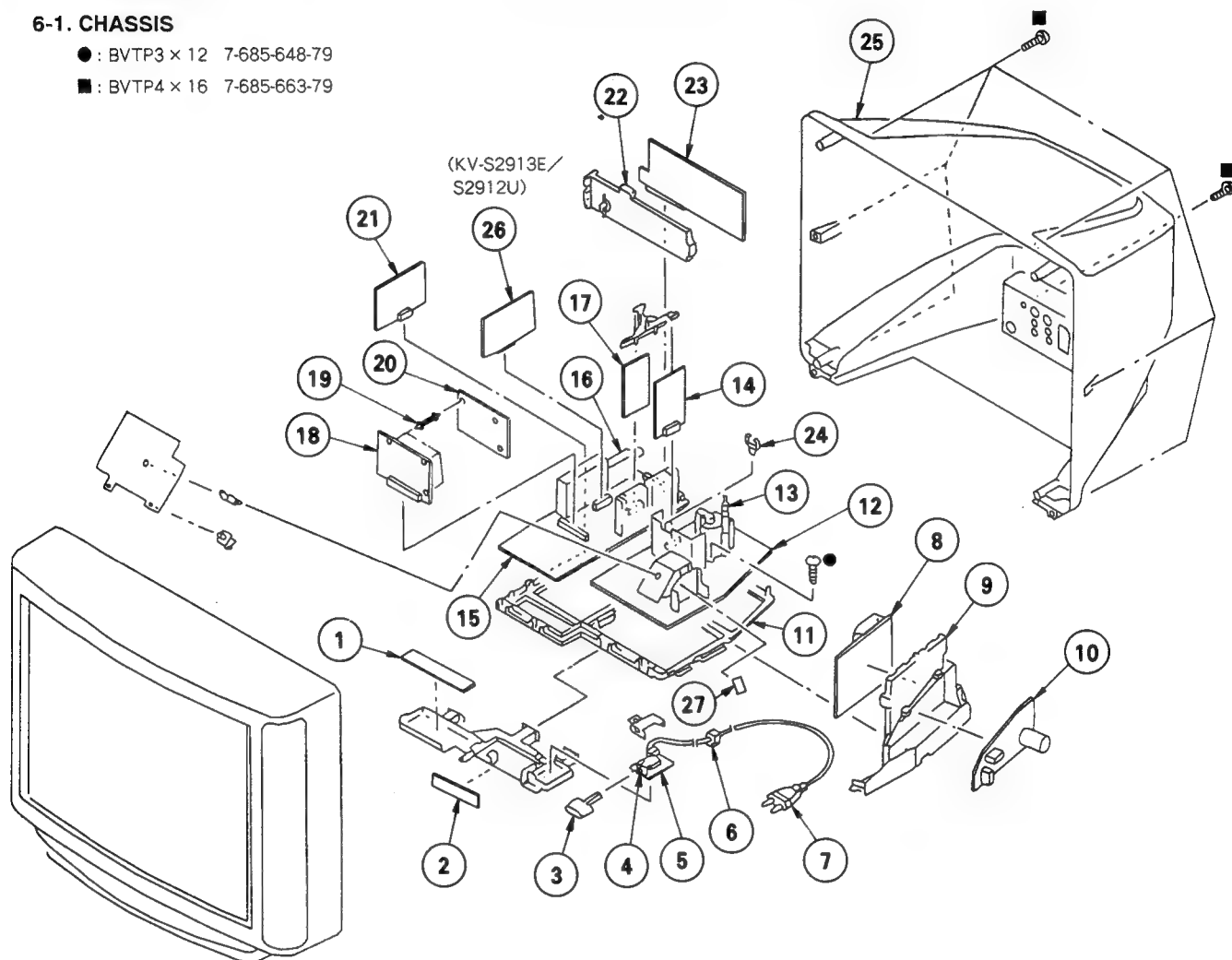
The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

6-1. CHASSIS

●: BVTP3 × 12 7-685-648-79

■: BVTP4 × 16 7-685-663-79

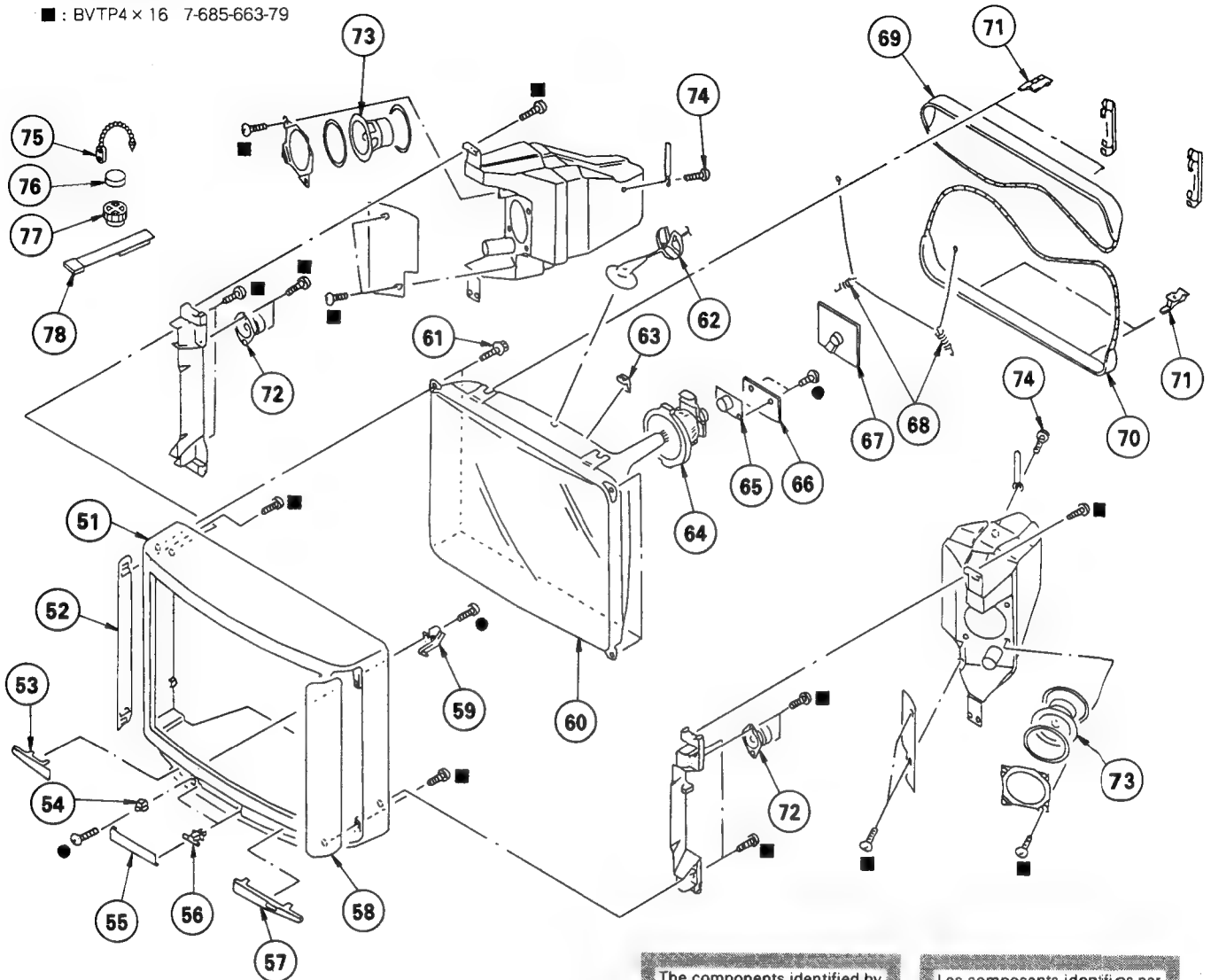


REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
1	*1-643-004-11	H1 BOARD		15	*A-1297-007-A	A BOARD, COMPLETE (KV-S2911B)	
2	*1-642-997-11	H2 BOARD			*A-1297-008-A	A BOARD, COMPLETE (KV-S2911D, S2913E)	
3	4-202-124-01	BUTTON, POWER			*A-1297-012-A	A BOARD, COMPLETE (KV-S2912U)	
4	Δ 1-571-433-12	SWITCH, PUSH (AC POWER)		16	Δ 1-693-184-11	TUNER (U944C) (KV-S2912U)	
5	*A-1241-086-A	F1 BOARD, COMPLETE			Δ 1-693-185-11	TUNER (UV916H) (KV-S2911B, S2911D, S2913E)	
6	Δ 4-389-201-03	HOLDER, AC CORD		17	*A-1131-037-A	B1 BOARD, COMPLETE	
7	Δ 1-590-501-11	CORD, POWER (WITH NOISE FILTER) (KV-S2911D, S2911D, S2913E)		18	*A-1635-001-A	M BOARD, COMPLETE	
	Δ 1-590-762-11	CORD, POWER (WITH PLUG) (KV-S2912U)		19	*4-385-948-01	HOLDER, PCB	
8	*A-1341-570-A	D1 BOARD, COMPLETE		20	*A-1347-069-A	V BOARD, COMPLETE	
9	*4-202-140-01	BRACKET, F		21	*A-1622-005-A	P BOARD, COMPLETE	
10	*A-1241-079-A	F2 BOARD, COMPLETE		22	*4-202-135-01	BRACKET, J	
11	*4-202-141-01	BRACKET, MAIN		23	*A-1388-145-A	J BOARD, COMPLETE	
12	*A-1346-074-A	D BOARD, COMPLETE		24	*3-646-071-00	HOLDER, WIRE	
13	Δ 1-439-524-11	TRANSFORMER ASSY, FLYBACK (NX-3000A2)	27	25	4-202-146-01	COVER, REAR	
14	*A-1341-571-A	D2 BOARD, COMPLETE		26	*A-1292-247-A	A1 BOARD, COMPLETE (KV-S2912U)	
					*A-1292-248-A	A1 BOARD, COMPLETE (KV-S2913E)	
				27	*1-646-681-11	D3 BOARD	

6-2. PICTURE TUBE

● : BVTP3 × 12 7-685-648-79

■ : BVTP4 × 16 7-685-663-79



The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
51	X-4200-111-1	CABINET ASSY (WITH BEZEL ASSY)		65	Δ 1-452-616-12	NECK ASSY, PICTURE TUBE (NA32)	
52	X-4200-109-1	GRILLE (L) ASSY, SPEAKER		66	*A-1342-189-A	VM BOARD, COMPLETE	
53	4-202-127-01	PLATE, ORNAMENTAL (KV-S2911B, S2911D)		67	*A-1331-223-A	C BOARD, COMPLETE	
	4-202-127-11	PLATE, ORNAMENTAL (KV-S2912U, S2913E)		68	4-369-318-00	SPRING, TENSION	
54	4-036-881-01	LOCK ASSY, DOOR		69	Δ 1-402-715-11	COIL, DEGAUSSING	
55	4-202-125-01	DOOR					
56	3-703-035-11	SHAFT, LID		70	Δ 1-402-716-11	COIL, DEGAUSSING	
57	4-202-123-01	WINDOW, ORNAMENTAL		71	4-202-112-01	CLIP	
58	X-4200-110-1	GRILLE (R) ASSY, SPEAKER		72	1-504-121-21	SPEAKER (SQUAWKER) (5CM)	
59	X-4030-459-1	DAMPER ASSY		73	1-504-145-11	SPEAKER (12CM)	
60	Δ 8-733-837-05	PICTURE TUBE (M68KU210X)		74	4-384-096-01	SCREW (4X16), TAPPING, +P	
61	4-373-263-11	SCREW (M), PT					
62	*3-704-372-01	HOLDER, HV CABLE		75	4-308-870-00	CLIP, LEAD WIRE	
63	3-704-495-01	SPACER, DY		76	1-452-032-00	MAGNET, DISK; 10MM ϕ	
64	Δ 1-451-394-11	DEFLECTION YOKE (Y29EXA)		77	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ	
				78	X-4306-312-0	PERMALLOY ASSY, CONVERGENCE	

SECTION 7 ELECTRICAL PARTS LIST

B1

NOTE:

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

• All resistors are in ohms
• F : nonflammable

When indicating parts by reference number, please include the board name.

CAPACITORS

• MF : μ F, PF : μ μ F

COILS

• MMH : mH, UH : μ H

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
*A-1131-037-A	B1 BOARD, COMPLETE	*****		L1302	1-408-405-00	INDUCTOR 4.7UH	
				L1304	1-408-406-00	INDUCTOR 5.6UH	
				L1305	1-408-418-00	INDUCTOR 56UH	
		<CAPACITOR>				<TRANSISTOR>	
C1301	1-124-478-11	ELECT 100MF	20% 25V	Q1301	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C1302	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	Q1302	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C1303	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	Q1305	8-729-216-22	TRANSISTOR 2SA1162-G	
C1304	1-124-478-11	ELECT 100MF	20% 25V	Q1306	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C1305	1-124-478-11	ELECT 100MF	20% 25V	Q1307	8-729-216-22	TRANSISTOR 2SA1162-G	
C1306	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	Q1308	8-729-216-22	TRANSISTOR 2SA1162-G	
C1307	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	Q1309	8-729-216-22	TRANSISTOR 2SA1162-G	
C1308	1-124-478-11	ELECT 100MF	20% 25V	Q1310	8-729-216-22	TRANSISTOR 2SA1162-G	
C1309	1-124-910-11	ELECT 47MF	20% 50V	Q1311	8-729-216-22	TRANSISTOR 2SA1162-G	
C1310	1-124-917-11	ELECT 33MF	20% 50V	Q1316	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C1311	1-163-101-00	CERAMIC CHIP 22PF	5% 50V			<RESISTOR>	
C1312	1-124-907-11	ELECT 10MF	20% 50V	JR1	1-216-295-00	METAL GLAZE 0 5% 1/10W	
C1314	1-124-907-11	ELECT 10MF	20% 50V	JR2	1-216-295-00	METAL GLAZE 0 5% 1/10W	
C1318	1-163-038-00	CERAMIC CHIP 0.1MF	25V	JR3	1-216-295-00	METAL GLAZE 0 5% 1/10W	
C1319	1-163-031-11	CERAMIC CHIP 0.01MF	50V	JR4	1-216-296-00	METAL GLAZE 0 5% 1/8W	
				JR5	1-216-296-00	METAL GLAZE 0 5% 1/8W	
C1320	1-163-031-11	CERAMIC CHIP 0.01MF	50V	JR6	1-216-295-00	METAL GLAZE 0 5% 1/10W	
C1321	1-163-101-00	CERAMIC CHIP 22PF	5% 50V	JR7	1-216-295-00	METAL GLAZE 0 5% 1/10W	
C1322	1-163-101-00	CERAMIC CHIP 22PF	5% 50V	R1301	1-216-071-00	METAL GLAZE 8.2K 5% 1/10W	
C1323	1-163-109-00	CERAMIC CHIP 47PF	5% 50V	R1302	1-216-083-00	METAL GLAZE 27K 5% 1/10W	
C1324	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	R1303	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
C1325	1-163-169-00	CERAMIC CHIP 33PF	5% 50V	R1304	1-216-043-00	METAL GLAZE 560 5% 1/10W	
C1327	1-163-038-00	CERAMIC CHIP 0.1MF	25V	R1305	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
C1333	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	R1306	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
				R1307	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
				R1308	1-216-025-00	METAL GLAZE 100 5% 1/10W	
		<CONNECTOR>		R1310	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
CN0302*1-573-299-11	CONNECTOR, BOARD TO BOARD 10P			R1311	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
				R1312	1-216-035-00	METAL GLAZE 270 5% 1/10W	
				R1313	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
				R1314	1-216-216-00	METAL GLAZE 5.6K 5% 1/8W	
		<DIODE>		R1315	1-216-043-00	METAL GLAZE 560 5% 1/10W	
D1302	8-719-400-18	DIODE MA152WK		R1316	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
				R1319	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
				R1320	1-216-043-00	METAL GLAZE 560 5% 1/10W	
				R1321	1-216-204-00	METAL GLAZE 1.8K 5% 1/8W	
		<FILTER>		R1322	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
FL1301	1-236-620-11	FILTER, LOW PASS		R1324	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
FL1302	1-236-620-11	FILTER, LOW PASS		R1326	1-216-202-00	METAL GLAZE 1.5K 5% 1/8W	
FL1303	1-236-620-11	FILTER, LOW PASS		R1327	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
FL1304	1-236-164-11	ENCAPSULATED COMPONENT		R1328	1-216-043-00	METAL GLAZE 560 5% 1/10W	
		<IC>		R1329	1-216-043-00	METAL GLAZE 560 5% 1/10W	
IC1301	8-741-692-01	IC SBX1692-01		R1330	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
				R1331	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
		<COIL>					
L1301	1-408-405-00	INDUCTOR 4.7UH					

B1 F2 F1 A1

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifique.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK
R1332	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
R1333	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R1334	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
R1341	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R1342	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1343	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R1344	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	

*A-1241-079-A F2 BOARD, COMPLETE

*4-341-751-01 EYELET (EY650,EY652,EY665~EY675,EY677)
*4-341-752-01 EYELET (EY601~EY617)

<CAPACITOR>

C661	Δ 1-136-519-11	FILM 0.47MF 20% 300V	
C662	Δ 1-136-518-11	FILM 0.33MF 20% 300V	
C664	Δ 1-164-246-51	CERAMIC 0.0022MF 20% 400V	
C666	1-124-120-11	ELECT 220MF 20% 25V	
C667	1-126-233-11	ELECT 22MF 20% 50V	

C672	Δ 1-161-964-61	CERAMIC 0.0047MF 250V	
C673	Δ 1-161-964-61	CERAMIC 0.0047MF 250V	
C674	Δ 1-125-555-11	ELECT 330MF 20% 400V	

<CONNECTOR>

CN0005	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
CN0006	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
CN0007	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P	
CN0924	*1-568-878-51	PIN, CONNECTOR 3P	
CN0925	*1-695-294-11	PIN, CONNECTOR (PC BOARD) 6P	
CN0929	*1-508-766-00	PIN, CONNECTOR (5MM PITCH) 4P	
CN0931	*1-691-291-11	PIN, CONNECTOR (PC BOARD) 5P	

<DIODE>

D661	8-719-911-19	DIODE 1SS119	
D662	8-719-400-18	DIODE MA152WK	
D663	Δ 8-719-510-63	DIODE D4SB60L-F	
D664	8-719-921-69	DIODE MTZJ-9.1	

<TRANSFORMER>

LF661	Δ 1-424-436-11	TRANSFORMER, LINE FILTER	
LF662	Δ 1-424-436-11	TRANSFORMER, LINE FILTER	
LF663	Δ 1-421-862-11	LFT	

<TRANSISTOR>

Q661	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
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<RESISTOR>

R663	Δ 1-244-945-91	CARBON 1M 5% 1/2W	
R664	Δ 1-205-998-11	WIREWOUND 1 5% 10W F	
R665	Δ 1-218-265-91	METAL GLAZE 8.2M 5% 1W	
R666	1-249-405-11	CARBON 100 5% 1/4W F	
R667	1-249-430-11	CARBON 12K 5% 1/4W	
R668	1-249-434-11	CARBON 27K 5% 1/4W	
R669	Δ 1-202-968-11	WIREWOUND 1.2 5% 10W F	
R670	Δ 1-205-998-11	WIREWOUND 1 5% 10W F	
R671	1-249-415-11	CARBON 680 5% 1/4W F	

REF.NO.	PART NO.	DESCRIPTION	REMARK
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<RELAY>

RY661 Δ 1-515-720-31 RELAY

<THERMISTOR>

THP661 Δ 1-809-827-11 THERMISTOR, POSITIVE

*A-1241-086-A F1 BOARD, COMPLETE

1-533-230-11 HOLDER, FUSE
*4-341-751-01 EYELET (EY691,EY692)
*4-341-752-01 EYELET

<CONNECTOR>

CN0003	*1-580-844-11	PIN, CONNECTOR (POWER)	
CN0831	*1-695-292-11	PIN, CONNECTOR (POWER)	

<FUSE>

F651 Δ 1-576-232-21 FUSE (H.B.C.) 5A/250V

<SWITCH>

S651 Δ 1-571-433-12 SWITCH, PUSH (AC POWER)

*A-1292-247-A A1 BOARD, COMPLETE (KV-S2912U)

*A-1292-248-A A1 BOARD, COMPLETE (KV-S2913E)

<FILTER>

BP1101	1-236-238-12	FILTER, BAND PASS (KV-S2912U)	
	1-239-047-11	FILTER, BAND PASS (KV-S2913E)	
CF1101	1-409-333-00	TRAP, CERAMIC (6.0MHZ) (KV-S2912U)	
CF1102	1-404-134-00	TRAP, CERAMIC (5.5MHZ) (KV-S2913E)	

<CAPACITOR>

C1101	1-126-101-11	ELECT 100MF 20% 16V	
C1102	1-126-101-11	ELECT 100MF 20% 16V	
C1103	1-163-038-00	CERAMIC CHIP 0.1MF 25V	
C1104	1-163-077-00	CERAMIC CHIP 0.1MF 10% 25V	
C1105	1-163-081-00	CERAMIC CHIP 0.22MF 25V	
C1106	1-163-437-91	CERAMIC CHIP 180PF 5% 50V	
C1107	1-163-009-11	CERAMIC CHIP 0.001MF 10% 50V	
C1108	1-163-059-00	CERAMIC CHIP 0.01MF 50V	
C1109	1-163-033-00	CERAMIC CHIP 0.022MF 50V	
C1110	1-164-336-11	CERAMIC CHIP 0.33MF 25V	
C1111	1-163-009-11	CERAMIC CHIP 0.001MF 10% 50V	
C1112	1-164-161-11	CERAMIC CHIP 0.0022MF 10% 50V	
C1113	1-124-477-11	ELECT 47MF 20% 16V	
C1114	1-163-038-00	CERAMIC CHIP 0.1MF 25V	
C1115	1-124-477-11	ELECT 47MF 20% 16V	
C1116	1-137-031-11	FILM 0.22MF 10% 100V	
C1117	1-163-081-00	CERAMIC CHIP 0.22MF 25V	
C1118	1-163-113-00	CERAMIC CHIP 68PF 5% 50V	
C1119	1-163-193-00	CERAMIC CHIP 330PF 5% 50V	
C1120	1-163-193-00	CERAMIC CHIP 330PF 5% 50V	

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C1121	1-163-113-00	CERAMIC CHIP 68PF	5%	50V	<COIL>		
C1122	1-163-081-00	CERAMIC CHIP 0.22MF		25V	L1101	1-408-405-00	INDUCTOR 4.7UH
C1123	1-137-031-11	FILM 0.22MF	10%	100V	L1102	1-408-405-00	INDUCTOR 4.7UH
C1124	1-124-477-11	ELECT 47MF	20%	16V	L1103	1-410-119-11	INDUCTOR 1MH
C1125	1-124-477-11	ELECT 47MF	20%	16V	L1104	1-410-119-11	INDUCTOR 1MH
C1126	1-163-077-00	CERAMIC CHIP 0.1MF	10%	25V	L1105	1-408-411-00	INDUCTOR 15UH (KV-S2912U)
C1127	1-163-038-00	CERAMIC CHIP 0.1MF		25V	<TRANSISTOR>		
C1128	1-124-477-11	ELECT 47MF	20%	16V	Q1101	8-729-120-28	TRANSISTOR 2SC1623-L5L6
C1129	1-163-038-00	CERAMIC CHIP 0.1MF		25V	Q1102	8-729-120-28	TRANSISTOR 2SC1623-L5L6
C1130	1-163-205-00	CERAMIC CHIP 0.001MF	10%	50V	Q1103	8-729-120-28	TRANSISTOR 2SC1623-L5L6
C1131	1-163-059-00	CERAMIC CHIP 0.01MF		50V	Q1104	8-729-120-28	TRANSISTOR 2SC1623-L5L6
C1132	1-163-038-00	CERAMIC CHIP 0.1MF		25V	Q1105	8-729-120-28	TRANSISTOR 2SC1623-L5L6
C1133	1-124-907-11	ELECT 10MF	20%	50V	Q1106	8-729-120-28	TRANSISTOR 2SC1623-L5L6
C1134	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V	Q1107	8-729-120-28	TRANSISTOR 2SC1623-L5L6
C1135	1-163-038-00	CERAMIC CHIP 0.1MF		25V	Q1108	8-729-120-28	TRANSISTOR 2SC1623-L5L6
C1136	1-163-117-00	CERAMIC CHIP 100PF	5%	50V	<RESISTOR>		
C1137	1-163-038-00	CERAMIC CHIP 0.1MF		25V	JR1101	1-216-296-00	METAL GLAZE 0 5% 1/8W
C1138	1-163-105-00	CERAMIC CHIP 33PF	5%	50V	JR1102	1-216-296-00	METAL GLAZE 0 5% 1/8W
C1139	1-163-105-00	CERAMIC CHIP 33PF	5%	50V	JR1103	1-216-296-00	METAL GLAZE 0 5% 1/8W
C1140	1-163-181-00	CERAMIC CHIP 100PF	5%	50V	JR1104	1-216-295-00	METAL GLAZE 0 5% 1/10W
C1141	1-163-205-00	CERAMIC CHIP 0.001MF	5%	50V	R1101	1-216-188-00	METAL GLAZE 390 5% 1/8W
C1142	1-163-019-00	CERAMIC CHIP 0.0068MF		50V	R1102	1-216-049-00	METAL GLAZE 1K 5% 1/10W
C1143	1-163-003-11	CERAMIC CHIP 330PF	10%	50V	R1103	1-216-198-00	METAL GLAZE 1K 5% 1/10W
C1144	1-163-121-00	CERAMIC CHIP 150PF	5%	50V	R1104	1-216-041-00	METAL GLAZE 470 5% 1/10W
C1145	1-163-121-00	CERAMIC CHIP 150PF	5%	50V	R1105	1-216-005-00	METAL GLAZE 15 5% 1/10W
C1146	1-163-038-00	CERAMIC CHIP 0.1MF		25V	R1106	1-216-036-00	METAL GLAZE 300 5% 1/10W
C1147	1-124-477-11	ELECT 47MF	20%	16V	R1107	1-216-042-00	METAL GLAZE 510 5% 1/10W
C1148	1-164-161-11	CERAMIC CHIP 0.0022MF	10%	50V	R1108	1-216-063-00	METAL GLAZE 3.9K 5% 1/10W
C1149	1-124-477-11	ELECT 47MF	20%	16V	R1109	1-216-202-00	METAL GLAZE 1.5K 5% 1/8W
C1150	1-163-038-00	CERAMIC CHIP 0.1MF		25V	R1110	1-216-196-00	METAL GLAZE 820 5% 1/8W
C1151	1-163-038-00	CERAMIC CHIP 0.1MF		25V	R1111	1-216-041-00	METAL GLAZE 470 5% 1/10W
C1152	1-124-477-11	ELECT 47MF	20%	16V	R1112	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W
C1153	1-163-087-00	CERAMIC CHIP 4PF	0.25PF	50V	R1113	1-216-001-00	METAL GLAZE 10 5% 1/10W
C1154	1-163-038-00	CERAMIC CHIP 0.1MF		25V	R1114	1-216-105-00	METAL GLAZE 220K 5% 1/10W
C1155	1-124-477-11	ELECT 47MF	20%	16V	R1115	1-216-121-00	METAL GLAZE 1M 5% 1/10W
C1156	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V	R1116	1-216-198-00	METAL GLAZE 1K 5% 1/8W
C1157	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V	R1117	1-216-097-00	METAL GLAZE 100K 5% 1/10W
C1158	1-163-038-00	CERAMIC CHIP 0.1MF		25V	R1118	1-216-097-00	METAL GLAZE 100K 5% 1/10W
<CONNECTOR>				R1119	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
CN0201	1-695-300-11	CONNECTOR, BOARD TO BOARD 20P		R1120	1-216-232-00	METAL GLAZE 27K 5% 1/8W	
<DIODE>				R1121	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
D1101	8-719-104-34	DIODE 1S2836		R1122	1-216-158-00	METAL GLAZE 22 5% 1/8W	
D1102	8-719-027-70	DIODE 1SV217-TPH3		R1123	1-216-158-00	METAL GLAZE 22 5% 1/8W	
D1103	8-719-820-71	DIODE 1SV214		R1124	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
<FERRITE BEAD>				R1125	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
FB1101	1-410-396-41	FERRITE BEAD INDUCTOR		R1126	1-216-218-00	METAL GLAZE 6.8K 5% 1/8W	
FB1102	1-410-396-41	FERRITE BEAD INDUCTOR		R1127	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
FB1103	1-410-396-41	FERRITE BEAD INDUCTOR		R1128	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
FB1104	1-410-396-41	FERRITE BEAD INDUCTOR		R1129	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
FB1105	1-410-396-41	FERRITE BEAD INDUCTOR		R1130	1-216-246-00	METAL GLAZE 100K 5% 1/8W	
FB1107	1-410-396-41	FERRITE BEAD INDUCTOR		R1131	1-216-218-00	METAL GLAZE 6.8K 5% 1/8W	
<IC>				R1132	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
IC1101	8-759-511-88	IC TDA8732		R1133	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
IC1102	8-759-073-17	IC SAA7282P		R1134	1-216-212-00	METAL GLAZE 3.9K 5% 1/8W	
				R1135	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
				R1136	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
				R1137	1-216-095-00	METAL GLAZE 82K 5% 1/10W	
				R1138	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
				R1139	1-216-005-00	METAL GLAZE 15 5% 1/10W	

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R1140	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W		C220	1-163-011-11	CERAMIC CHIP 0.0015MF 10% 50V	
R1141	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W		C221	1-124-925-11	ELECT 2.2MF 20% 50V	
R1142	1-216-033-00	METAL GLAZE 220 5% 1/10W		C222	1-124-925-11	ELECT 2.2MF 20% 50V	
R1143	1-216-049-00	METAL GLAZE 1K 5% 1/10W		C223	1-137-028-11	FILM 1MF 10% 63V	
R1144	1-216-049-00	METAL GLAZE 1K 5% 1/10W		C224	1-137-028-11	FILM 1MF 10% 63V	
R1145	1-216-001-00	METAL GLAZE 10 5% 1/10W		C225	1-164-182-11	CERAMIC CHIP 0.0033MF 10% 50V	
R1146	1-216-049-00	METAL GLAZE 1K 5% 1/10W		C226	1-163-007-11	CERAMIC CHIP 680PF 10% 50V	
R1147	1-216-045-00	METAL GLAZE 680 5% 1/10W		C227	1-124-907-11	ELECT 10MF 20% 50V	
R1148	1-216-049-00	METAL GLAZE 1K 5% 1/10W		C228	1-124-907-11	ELECT 10MF 20% 50V	
R1149	1-216-001-00	METAL GLAZE 10 5% 1/10W		C229	1-124-478-11	ELECT 100MF 20% 25V	
R1150	1-216-045-00	METAL GLAZE 680 5% 1/10W		C230	1-124-478-11	ELECT 100MF 20% 25V	
R1151	1-216-049-00	METAL GLAZE 1K 5% 1/10W		C231	1-164-346-11	CERAMIC CHIP 1MF 16V	
R1152	1-216-049-00	METAL GLAZE 1K 5% 1/10W		C232	1-163-009-11	CERAMIC CHIP 0.001MF 10% 50V	
R1153	1-216-049-00	METAL GLAZE 1K 5% 1/10W		C233	1-163-009-11	CERAMIC CHIP 0.001MF 10% 50V	
R1154	1-216-041-00	METAL GLAZE 470 5% 1/10W		C234	1-163-017-00	CERAMIC CHIP 0.0047MF 10% 50V	
<CRYSTAL>				C235	1-137-134-91	FILM 0.22MF 5% 63V	
XI101	1-579-689-21	VIBRATOR, CRYSTAL		C236	1-124-618-11	ELECT 2200MF 20% 35V	
XI102	1-579-282-21	VIBRATOR, CRYSTAL (KV-S2913E)		C237	1-124-618-11	ELECT 2200MF 20% 35V	
	1-579-282-21	VIBRATOR, CRYSTAL (KV-S2913E)		C238	1-163-017-00	CERAMIC CHIP 0.0047MF 10% 50V	
*****				C239	1-137-134-91	FILM 0.22MF 5% 63V	
*A-1297-007-A	A BOARD, COMPLETE (KV-S2911B)			C240	1-126-233-11	ELECT 22MF 20% 50V	
	*****			C241	1-126-233-11	ELECT 22MF 20% 50V	
*A-1297-008-A	A BOARD, COMPLETE (KV-S2911D,S2913E)			C242	1-124-903-11	ELECT 1MF 20% 50V	
	*****			C243	1-163-119-00	CERAMIC CHIP 120PF 5% 50V	
*A-1297-012-A	A BOARD, COMPLETE (KV-S2912U)			C244	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
	*****			C251	1-126-320-11	ELECT 10MF 20% 16V	
4-200-001-01	HOLDER, IC			C301	1-163-038-00	CERAMIC CHIP 0.1MF 25V	
4-201-023-01	SPACER, INSULATING			C302	1-163-038-00	CERAMIC CHIP 0.1MF 25V	
4-812-134-00	RIVET NYLON, 3.5			C303	1-164-346-11	CERAMIC CHIP 1MF 16V	
				C304	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
<CAPACITOR>				C305	1-163-097-00	CERAMIC CHIP 15PF 5% 50V	
C071	1-124-126-00	ELECT 47MF 20% 10V		C306	1-163-097-00	CERAMIC CHIP 15PF 5% 50V	
C072	1-124-120-11	ELECT 220MF 20% 16V		C307	1-163-017-00	CERAMIC CHIP 0.0047MF 10% 50V	
C074	1-163-001-11	CERAMIC CHIP 220PF 10% 50V		C308	1-163-037-11	CERAMIC CHIP 0.022MF 10% 25V	
C102	1-126-103-11	ELECT 470MF 20% 16V		C309	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C103	1-163-031-11	CERAMIC CHIP 0.01MF 50V		C310	1-163-038-00	CERAMIC CHIP 0.1MF 25V	
C104	1-124-910-11	ELECT 47MF 20% 50V		C311	1-163-038-00	CERAMIC CHIP 0.1MF 25V	
C105	1-126-233-11	ELECT 22MF 20% 50V		C312	1-124-910-11	ELECT 47MF 20% 50V	
C106	1-124-927-11	ELECT 4.7MF 20% 50V		C313	1-163-077-00	CERAMIC CHIP 0.1MF 50V	
C110	1-124-478-11	ELECT 100MF 20% 25V		C314	1-163-038-00	CERAMIC CHIP 0.1MF 25V	
C111	1-102-074-00	CERAMIC 0.001MF 10% 50V		C315	1-124-910-11	ELECT 47MF 20% 50V	
			(KV-S2911B)	C316	1-163-077-00	CERAMIC CHIP 0.1MF 50V	
C120	1-163-031-11	CERAMIC CHIP 0.01MF 50V		C317	1-163-103-00	CERAMIC CHIP 27PF 5% 50V	
C201	1-137-129-91	FILM 0.033MF 5% 63V		C318	1-163-103-00	CERAMIC CHIP 27PF 5% 50V	
C202	1-137-129-91	FILM 0.033MF 5% 63V		C319	1-163-038-00	CERAMIC CHIP 0.1MF 25V	
C203	1-164-005-11	CERAMIC CHIP 0.47MF 25V		C320	1-124-910-11	ELECT 47MF 20% 50V	
C204	1-164-005-11	CERAMIC CHIP 0.47MF 25V		C321	1-163-038-00	CERAMIC CHIP 0.1MF 25V	
C205	1-124-907-11	ELECT 10MF 20% 50V		C322	1-126-233-11	ELECT 22MF 20% 50V	
C206	1-164-161-11	CERAMIC CHIP 0.0022MF 10% 50V		C323	1-163-135-00	CERAMIC CHIP 560PF 5% 50V	
C207	1-137-613-11	FILM 0.0018MF 2% 100V		C324	1-124-910-11	ELECT 47MF 20% 50V	
C208	1-164-005-11	CERAMIC CHIP 0.47MF 25V		C341	1-163-077-00	CERAMIC CHIP 0.1MF 10% 25V	
C209	1-164-005-11	CERAMIC CHIP 0.47MF 25V		C342	1-163-077-00	CERAMIC CHIP 0.1MF 10% 25V	
C210	1-164-005-11	CERAMIC CHIP 0.47MF 25V		C343	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C211	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V		C344	1-162-638-11	CERAMIC CHIP 1MF 16V	
C213	1-163-023-00	CERAMIC CHIP 0.015MF 10% 50V		C345	1-164-346-11	CERAMIC CHIP 1MF 16V	
C214	1-163-023-00	CERAMIC CHIP 0.015MF 10% 50V		C347	1-162-638-11	CERAMIC CHIP 1MF 16V	
C215	1-163-809-11	CERAMIC CHIP 0.047MF 10% 25V		C348	1-164-346-11	CERAMIC CHIP 1MF 16V	
C216	1-163-809-11	CERAMIC CHIP 0.047MF 10% 25V		C349	1-164-346-11	CERAMIC CHIP 1MF 16V	
C217	1-124-925-11	ELECT 2.2MF 20% 50V		C350	1-124-907-11	ELECT 10MF 20% 50V	
C218	1-124-925-11	ELECT 2.2MF 20% 50V		C351	1-126-233-11	ELECT 22MF 20% 50V	
C219	1-163-011-11	CERAMIC CHIP 0.0015MF 10% 50V		C353	1-164-346-11	CERAMIC CHIP 1MF 16V	
				C354	1-164-346-11	CERAMIC CHIP 1MF 16V	
				C355	1-162-638-11	CERAMIC CHIP 1MF 16V	

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C356	1-164-489-11	CERAMIC CHIP 0.22MF	10%	16V	CN0116*1-568-879-51	PIN, CONNECTOR 4P	
C357	1-164-299-11	CERAMIC CHIP 0.22MF	10%	25V	CN0119*1-568-879-81	PIN, CONNECTOR 4P	
C358	1-164-299-11	CERAMIC CHIP 0.22MF	10%	25V	CN0137*1-564-511-11	PLUG, CONNECTOR 8P	
C359	1-124-907-11	ELECT 10MF	20%	50V	CN5108*1-564-513-11	PLUG, CONNECTOR 10P	
C361	1-163-101-00	CERAMIC CHIP 22PF	5%	50V			
C362	1-137-134-91	FILM 0.22MF	5%	63V		<DIODE>	
C363	1-124-907-11	ELECT 10MF	20%	50V	D068	8-719-104-34	DIODE 1S2836
C365	1-124-120-11	ELECT 220MF	20%	16V	D069	8-719-104-34	DIODE 1S2836
C366	1-124-903-11	ELECT 1MF	20%	50V	D071	8-719-109-89	DIODE RD5.6ES-B2
C401	1-164-005-11	CERAMIC CHIP 0.47MF		16V	D073	8-719-109-89	DIODE RD5.6ES-B2
C402	1-124-917-11	ELECT 33MF	20%	50V	D075	8-719-400-18	DIODE MA152WK
C403	1-164-005-11	CERAMIC CHIP 0.47MF		16V	D077	8-719-400-18	DIODE MA152WK
C411	1-164-005-11	CERAMIC CHIP 0.47MF		25V	D078	8-719-109-89	DIODE RD5.6ES-B2
C412	1-164-005-11	CERAMIC CHIP 0.47MF		25V	D079	8-719-109-89	DIODE RD5.6ES-B2
C421	1-124-910-11	ELECT 47MF	20%	50V	D101	8-719-982-27	DIODE MTZJ-33C
C422	1-124-910-11	ELECT 47MF	20%	50V	D205	8-719-023-21	DIODE DA116-T146
C423	1-101-004-00	CERAMIC 0.01MF		50V	D206	8-719-400-18	DIODE MA152WK
C424	1-163-129-00	CERAMIC CHIP 330PF	5%	50V	D207	8-719-921-89	DIODE MTZJ-13C
C425	1-163-129-00	CERAMIC CHIP 330PF	5%	50V	D208	8-719-911-19	DIODE 1SS119
C426	1-124-910-11	ELECT 47MF	20%	50V	D209	8-719-911-19	DIODE 1SS119
C427	1-164-346-11	CERAMIC CHIP 1MF		16V	D210	8-719-911-19	DIODE 1SS119
C428	1-164-346-11	CERAMIC CHIP 1MF		16V	D211	8-719-911-19	DIODE 1SS119
C429	1-124-119-00	ELECT 330MF	20%	16V	D212	8-719-911-19	DIODE 1SS119
C574	1-163-117-00	CERAMIC CHIP 100PF	5%	50V	D213	8-719-400-18	DIODE MA152WK
C581	1-163-031-11	CERAMIC CHIP 0.01MF		50V	D301	8-719-400-18	DIODE MA152WK
C582	1-126-233-11	ELECT 22MF	20%	50V	D302	8-719-104-34	DIODE 1S2836
C583	1-163-121-00	CERAMIC CHIP 150PF	5%	50V	D303	8-719-104-34	DIODE 1S2836
C586	1-163-063-00	CERAMIC CHIP 0.022MF	10%	50V	D304	8-719-109-89	DIODE RD5.6ES-B2
C587	1-124-903-11	ELECT 1MF	20%	50V	D305	8-719-400-18	DIODE MA152WK
C588	1-164-346-11	CERAMIC CHIP 1MF		16V	D306	8-719-400-18	DIODE MA152WK
C589	1-126-233-11	ELECT 22MF	20%	50V	D307	8-719-400-18	DIODE MA152WK
C590	1-126-233-11	ELECT 22MF	20%	50V	D308	8-719-800-76	DIODE 1SS226
C591	1-124-925-11	ELECT 2.2MF	20%	50V	D311	8-719-800-76	DIODE 1SS226
C592	1-163-017-00	CERAMIC CHIP 0.0047MF	10%	50V	D381	8-719-110-03	DIODE RD7.5ES-B2
C593	1-164-182-11	CERAMIC CHIP 0.0033MF	10%	50V	D401	8-719-921-69	DIODE MTZJ-9.1
C595	1-163-117-00	CERAMIC CHIP 100PF	5%	50V	D403	8-719-921-69	DIODE MTZJ-9.1
C681	1-124-478-11	ELECT 100MF	20%	25V	D405	8-719-921-69	DIODE MTZJ-9.1
C682	1-126-101-11	ELECT 100MF	20%	16V	D406	8-719-921-69	DIODE MTZJ-9.1
C683	1-124-478-11	ELECT 100MF	20%	25V	D407	8-719-921-69	DIODE MTZJ-9.1
C684	1-124-478-11	ELECT 100MF	20%	25V	D571	8-719-800-76	DIODE 1SS226
C685	1-124-478-11	ELECT 100MF	20%	25V	D681	8-719-981-99	DIODE MTZJ-3.3
		<FILTER>			D682	8-719-109-89	DIODE RD5.6ES-B2
CF581	1-577-611-11	OSCILALTOR, CERAMIC				<IC>	
		<CONNECTOR>			IC072	8-759-073-14	IC X24C16P
CN0001*1-568-880-71	PIN, CONNECTOR 5P				IC201	8-759-073-30	IC TDA6612 (KV-S2911B, S2911D, S2913E)
CN0101	1-695-297-11	CONNECTOR, BOARD TO BOARD 20P				8-759-073-31	IC TDA6622 (KV-S2912U)
		(KV-S2911D, S2912U, S2913E)			IC202	8-759-502-21	IC TDA2822M
CN0102	1-573-296-11	CONNECTOR, BOARD TO BOARD 10P			IC251	8-759-072-99	IC TDA2052
CN0103*1-564-511-11	PLUG, CONNECTOR 8P				IC261	8-759-072-99	IC TDA2052
CN0104*1-568-882-51	PIN, CONNECTOR 7P				IC301	8-759-073-15	IC TDA9145
CN0105*1-568-880-51	PIN, CONNECTOR 5P				IC302	8-759-505-39	IC TDA4660V2
CN0107*1-568-879-51	PIN, CONNECTOR 4P				IC304	8-752-056-54	IC CXA1587S
CN0108*1-568-878-51	PIN, CONNECTOR 3P				IC401	8-752-062-86	IC CXA1545AS
CN0109	1-695-299-11	CONNECTOR, BOARD TO BOARD 50P			IC402	8-759-073-00	IC TEA2114
CN0110*1-568-882-51	PIN, CONNECTOR 7P				IC681	8-759-072-98	IC TDA8138A
CN0111	1-568-882-51	PIN, CONNECTOR 7P			IC683	8-759-982-10	IC RC7809FA
CN0113	1-695-298-11	CONNECTOR, BOARD TO BOARD 40P			IC684	8-759-982-10	IC RC7809FA
CN0114*1-568-879-51	PIN, CONNECTOR 4P					<IF BLOCK>	
CN0115*1-564-516-11	PLUG, CONNECTOR 13P				IFB101	1-466-733-11	IF BLOCK (IFH-389) (KV-S2911D, S2913E)



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
IFB101	1-466-734-11	IF BLOCK (IFH-395) (KV-S2912U)		JR117	1-216-295-00	METAL GLAZE	0 5% 1/10W
	1-466-735-11	IF BLOCK (IFH-389F) (KV-S2911B)		JR118	1-216-295-00	METAL GLAZE	0 5% 1/10W
	<COIL>			JR119	1-216-295-00	METAL GLAZE	0 5% 1/10W
L101	1-412-546-21	INDUCTOR 560UH		JR120	1-216-295-00	METAL GLAZE	0 5% 1/10W
L102	1-408-413-00	INDUCTOR 22UH		JR121	1-216-295-00	METAL GLAZE	0 5% 1/10W
L201	1-407-500-00	INDUCTOR 4.7MMH		JR122	1-216-295-00	METAL GLAZE	0 5% 1/10W
L306	1-408-405-00	INDUCTOR 4.7UH		JR123	1-216-295-00	METAL GLAZE	0 5% 1/10W
L308	1-408-417-00	INDUCTOR 47UH		JR124	1-216-295-00	METAL GLAZE	0 5% 1/10W
L610	1-412-539-21	INDUCTOR 150UH		JR125	1-216-295-00	METAL GLAZE	0 5% 1/10W
L611	1-412-539-21	INDUCTOR 150UH		JR127	1-216-295-00	METAL GLAZE	0 5% 1/10W
	<TRANSISTOR>			JR128	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q071	8-729-901-05	TRANSISTOR DTA124EK		JR129	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q101	8-729-216-22	TRANSISTOR 2SA1162-G		JR131	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q102	8-729-901-00	TRANSISTOR DTC124EK		JR132	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q103	8-729-900-53	TRANSISTOR DTC114EK		JR133	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q201	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR134	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q202	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR136	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q203	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR137	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q204	8-729-216-22	TRANSISTOR 2SA1162-G		JR138	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q205	8-729-216-22	TRANSISTOR 2SA1162-G		JR140	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q206	8-729-216-22	TRANSISTOR 2SA1162-G		JR141	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q207	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR142	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q209	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR143	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q301	8-729-901-00	TRANSISTOR DTC124EK		JR144	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q302	8-729-216-22	TRANSISTOR 2SA1162-G		JR150	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q303	8-729-216-22	TRANSISTOR 2SA1162-G		JR201	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q304	8-729-900-53	TRANSISTOR DTC114EK		JR202	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q305	8-729-901-01	TRANSISTOR DTC144EK		JR203	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q306	8-729-216-22	TRANSISTOR 2SA1162-G		JR204	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q308	8-729-216-22	TRANSISTOR 2SA1162-G		JR205	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q309	8-729-931-02	TRANSISTOR 2SC2413K-Q		JR206	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q311	8-729-901-06	TRANSISTOR DTA144EK		JR207	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q312	8-729-900-53	TRANSISTOR DTC114EK		JR208	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q401	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR209	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q402	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR210	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q403	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR211	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q404	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR212	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q581	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR213	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q582	8-729-216-22	TRANSISTOR 2SA1162-G		JR214	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q610	8-729-140-97	TRANSISTOR 2SB734-34		JR215	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q611	8-729-900-53	TRANSISTOR DTC114EK		JR216	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q683	8-729-140-96	TRANSISTOR 2SD774-34		JR217	1-216-296-00	METAL GLAZE	0 5% 1/8W
	<RESISTOR>			JR218	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR101	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR219	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR102	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR220	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR103	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR221	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR104	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR222	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR105	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR223	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR107	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR224	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR108	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR225	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR109	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR226	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR110	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR227	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR111	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR228	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR112	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR229	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR113	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR230	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR114	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR231	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR115	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR232	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR116	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR233	1-216-296-00	METAL GLAZE	0 5% 1/8W
				JR234	1-216-296-00	METAL GLAZE	0 5% 1/8W
				JR235	1-216-296-00	METAL GLAZE	0 5% 1/8W
				JR236	1-216-296-00	METAL GLAZE	0 5% 1/8W
				JR237	1-216-296-00	METAL GLAZE	0 5% 1/8W
				JR238	1-216-296-00	METAL GLAZE	0 5% 1/8W

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
JR239	1-216-296-00	METAL GLAZE	0 5% 1/8W	R242	1-216-218-00	METAL GLAZE	6.8K 5% 1/8W
JR240	1-216-296-00	METAL GLAZE	0 5% 1/8W	R243	1-249-438-11	CARBON	56K 5% 1/4W
JR241	1-216-296-00	METAL GLAZE	0 5% 1/8W	R244	1-216-089-00	METAL GLAZE	47K 5% 1/10W
JR242	1-216-296-00	METAL GLAZE	0 5% 1/8W	R245	1-216-089-00	METAL GLAZE	47K 5% 1/10W
JR243	1-216-296-00	METAL GLAZE	0 5% 1/8W	R247	1-216-073-00	METAL GLAZE	10K 5% 1/10W
JR244	1-216-296-00	METAL GLAZE	0 5% 1/8W	R248	1-216-073-00	METAL GLAZE	10K 5% 1/10W
JR245	1-216-296-00	METAL GLAZE	0 5% 1/8W	R249	1-216-045-00	METAL GLAZE	680 5% 1/10W
JR247	1-216-296-00	METAL GLAZE	0 5% 1/8W	R250	1-216-095-00	METAL GLAZE	82K 5% 1/10W
JR248	1-216-296-00	METAL GLAZE	0 5% 1/8W	R251	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
JR250	1-216-296-00	METAL GLAZE	0 5% 1/8W	R252	1-216-073-00	METAL GLAZE	10K 5% 1/10W
JR251	1-216-296-00	METAL GLAZE	0 5% 1/8W	R253	1-216-073-00	METAL GLAZE	10K 5% 1/10W
JR252	1-216-296-00	METAL GLAZE	0 5% 1/8W	R254	1-216-252-00	METAL GLAZE	180K 5% 1/8W
JR253	1-216-296-00	METAL GLAZE	0 5% 1/8W	R255	1-216-252-00	METAL GLAZE	180K 5% 1/8W
R071	1-216-041-00	METAL GLAZE	470 5% 1/10W	R256	1-249-409-11	CARBON	220 5% 1/4W
R072	1-216-033-00	METAL GLAZE	220 5% 1/10W	R257	1-249-409-11	CARBON	220 5% 1/4W
R073	1-216-033-00	METAL GLAZE	220 5% 1/10W	R259	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R074	1-216-198-00	METAL GLAZE	1K 5% 1/8W	R260	1-216-198-00	METAL GLAZE	1K 5% 1/8W
R076	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R301	1-216-041-00	METAL GLAZE	470 5% 1/10W
R077	1-216-025-00	METAL GLAZE	100 5% 1/10W	R302	1-216-041-00	METAL GLAZE	470 5% 1/10W
R101	1-216-025-00	METAL GLAZE	100 5% 1/10W	R303	1-216-174-00	METAL GLAZE	100 5% 1/8W
R102	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R304	1-216-174-00	METAL GLAZE	100 5% 1/8W
R103	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	R305	1-216-035-00	METAL GLAZE	270 5% 1/10W
R105	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R306	1-216-035-00	METAL GLAZE	270 5% 1/10W
R108	1-216-230-00	METAL GLAZE	22K 5% 1/8W	R307	1-216-075-00	METAL GLAZE	12K 5% 1/10W
R115	1-216-210-00	METAL GLAZE	3.3K 5% 1/8W	R308	1-216-121-00	METAL GLAZE	1M 5% 1/10W
R201	1-216-653-11	METAL CHIP	1.2K 0.50% 1/10W	R309	1-216-001-00	METAL GLAZE	10 5% 1/10W
R202	1-216-653-11	METAL CHIP	1.2K 0.50% 1/10W	R310	1-216-001-00	METAL GLAZE	10 5% 1/10W
R203	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W	R311	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R204	1-216-091-00	METAL GLAZE	56K 5% 1/10W	R312	1-249-413-11	CARBON	470 5% 1/4W
R205	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R313	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R206	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R314	1-249-409-11	CARBON	220 5% 1/4W
R207	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R315	1-249-409-11	CARBON	220 5% 1/4W
R208	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R316	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R209	1-249-377-11	CARBON	0.47 5% 1/4W F	R317	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R210	1-247-734-11	CARBON	39 5% 1/2W	R318	1-216-041-00	METAL GLAZE	470 5% 1/10W
R211	1-247-734-11	CARBON	39 5% 1/2W	R319	1-249-413-11	CARBON	470 5% 1/4W
R212	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R320	1-216-174-00	METAL GLAZE	100 5% 1/8W
R213	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R321	1-216-039-00	METAL GLAZE	390 5% 1/10W
R214	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R322	1-216-041-00	METAL GLAZE	470 5% 1/10W
R215	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R324	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R216	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R325	1-216-041-00	METAL GLAZE	470 5% 1/10W
R217	1-216-047-00	METAL GLAZE	820 5% 1/10W	R326	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R218	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R328	1-216-025-00	METAL GLAZE	100 5% 1/10W
R221	1-212-849-00	FUSIBLE	4.7 5% 1/4W F	R329	1-216-023-00	METAL GLAZE	82 5% 1/10W
R222	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R330	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R223	1-216-047-00	METAL GLAZE	820 5% 1/10W	R331	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R224	1-249-433-11	CARBON	22K 5% 1/4W	R333	1-216-182-00	METAL GLAZE	220 5% 1/8W
R225	1-212-849-00	FUSIBLE	4.7 5% 1/4W F	R334	1-216-182-00	METAL GLAZE	220 5% 1/8W
R226	1-249-412-11	CARBON	390 5% 1/4W	R339	1-216-025-00	METAL GLAZE	100 5% 1/10W
R227	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R340	1-216-025-00	METAL GLAZE	100 5% 1/10W
R228	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R341	1-216-025-00	METAL GLAZE	100 5% 1/10W
R229	1-216-039-00	METAL GLAZE	390 5% 1/10W	R342	1-216-033-00	METAL GLAZE	220 5% 1/10W
R230	1-216-246-00	METAL GLAZE	100K 5% 1/8W	R343	1-216-022-00	METAL GLAZE	75 5% 1/10W
R231	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R344	1-216-022-00	METAL GLAZE	75 5% 1/10W
R232	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R345	1-216-171-00	METAL GLAZE	75 5% 1/8W
R233	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R346	1-216-022-00	METAL GLAZE	75 5% 1/10W
R234	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R347	1-216-083-00	METAL GLAZE	27K 5% 1/10W
R235	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R348	1-216-029-00	METAL GLAZE	150 5% 1/10W
R236	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R349	1-216-029-00	METAL GLAZE	150 5% 1/10W
R237	1-216-025-00	METAL GLAZE	100 5% 1/10W	R350	1-216-178-00	METAL GLAZE	150 5% 1/8W
R238	1-216-025-00	METAL GLAZE	100 5% 1/10W	R351	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R239	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R352	1-216-033-00	METAL GLAZE	220 5% 1/10W
R240	1-216-089-00	METAL GLAZE	47K 5% 1/10W	R354	1-216-033-00	METAL GLAZE	220 5% 1/10W
R241	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W				

A IF

Les composants identifiés par
une trame et une marque Δ
sont critiques pour la sécurité.
Ne les remplacer que par une
pièce portant le numéro spécifié.

The components identified by
shading and mark Δ are critical
for safety.
Replace only with part number
specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK
R355	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R356	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R357	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R358	1-216-031-00	METAL GLAZE 180 5% 1/10W	
R359	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R360	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R361	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R362	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
R365	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R366	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R367	1-216-198-00	METAL GLAZE 1K 5% 1/8W	
R368	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R369	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R370	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R371	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R373	1-216-017-00	METAL GLAZE 47 5% 1/10W	
R376	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R377	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R378	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R379	1-216-206-00	METAL GLAZE 2.2K 5% 1/8W	
R380	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R401	1-216-171-00	METAL GLAZE 75 5% 1/8W	
R402	1-216-158-00	METAL GLAZE 22 5% 1/8W	
R403	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R404	1-216-158-00	METAL GLAZE 22 5% 1/8W	
R405	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R406	1-216-158-00	METAL GLAZE 22 5% 1/8W	
R407	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R408	1-216-093-00	METAL GLAZE 68K 5% 1/10W	
R410	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R411	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R412	1-216-022-00	METAL GLAZE 75 5% 1/10W	
R413	1-216-022-00	METAL GLAZE 75 5% 1/10W	
R414	1-216-022-00	METAL GLAZE 75 5% 1/10W	
R416	1-216-113-00	METAL GLAZE 470K 5% 1/10W	
R417	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R419	1-216-113-00	METAL GLAZE 470K 5% 1/10W	
R420	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R423	1-216-015-00	METAL GLAZE 39 5% 1/10W	
R424	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R425	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R426	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R427	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R428	1-249-393-11	CARBON 10 5% 1/4W F	
R572	1-216-198-00	METAL GLAZE 1K 5% 1/8W	
R574	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R575	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R581	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R582	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R583	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W	
R584	1-216-039-00	METAL GLAZE 390 5% 1/10W	
R586	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W	
R587	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R588	1-216-101-00	METAL GLAZE 150K 5% 1/10W	
R589	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R590	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R591	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R592	1-216-232-00	METAL GLAZE 27K 5% 1/8W	
R593	1-216-063-00	METAL GLAZE 3.9K 5% 1/10W	
R594	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W	
R595	1-216-643-11	METAL CHIP 470 0.50% 1/10W	
R596	1-216-670-11	METAL CHIP 6.2K 0.50% 1/10W	
R597	1-216-230-00	METAL GLAZE 22K 5% 1/8W	
R600	1-216-190-00	METAL GLAZE 470 5% 1/8W	

REF.NO.	PART NO.	DESCRIPTION	REMARK
R616	1-216-035-00	METAL GLAZE 270 5% 1/10W	
R628	1-249-411-11	CARBON 330 5% 1/4W	
R681	1-216-397-11	METAL OXIDE 4.7 5% 3W F	
R684	1-216-047-00	METAL GLAZE 820 5% 1/10W	
R685	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
<TUNER>			
TU101A 1-693-184-11 TUNER (U944C) (KV-S2912U)			
Δ 1-693-185-11 TUNER (UV916H) (KV-S2911B, S2911D, S2913E)			
<CRYSTAL>			
X301	1-567-504-11	OSCILLATOR, CRYSTAL	
X302	1-567-505-11	OSCILLATOR, CRYSTAL	

1-466-733-11 IF BLOCK (IFH-389) (KV-S2911D, S2913E)			

<CAPACITOR>			
C101	1-163-121-00	CERAMIC CHIP 150PF 5% 50V	
C102	1-164-222-11	CERAMIC CHIP 0.22MF 25V	
C103	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C104	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C105	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C106	1-124-477-11	ELECT 47MF 20% 16V	
C107	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C108	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C109	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C112	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C113	1-163-101-00	CERAMIC CHIP 22PF 5% 50V	
C114	1-124-477-11	ELECT 47MF 20% 16V	
C115	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C116	1-164-346-11	CERAMIC CHIP 1MF 16V	
C118	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C119	1-163-369-11	CERAMIC CHIP 47PF 5% 50V	
C121	1-163-235-11	CERAMIC CHIP 22PF 5% 50V	
C122	1-163-239-11	CERAMIC CHIP 33PF 5% 50V	
C123	1-163-235-11	CERAMIC CHIP 22PF 5% 50V	
C124	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C130	1-216-295-00	METAL GLAZE 0 5% 1/10W	
C131	1-163-093-00	CERAMIC CHIP 10PF 5% 50V	
C133	1-124-477-11	ELECT 47MF 20% 16V	
C152	1-164-337-11	CERAMIC CHIP 2.2MF 16V	
C153	1-164-337-11	CERAMIC CHIP 2.2MF 16V	
C154	1-164-337-11	CERAMIC CHIP 2.2MF 16V	
C155	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C156	1-124-477-11	ELECT 47MF 20% 16V	
C161	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C162	1-164-222-11	CERAMIC CHIP 0.22MF 25V	
C163	1-164-346-11	CERAMIC CHIP 1MF 16V	
C164	1-163-141-00	CERAMIC CHIP 0.001MF 5% 50V	
C165	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C166	1-124-477-11	ELECT 47MF 20% 16V	
C167	1-163-213-00	CERAMIC CHIP 0.0022MF 5% 50V	
C168	1-164-346-11	CERAMIC CHIP 1MF 16V	
C170	1-124-477-11	ELECT 47MF 20% 16V	
C171	1-124-477-11	ELECT 47MF 20% 16V	
C172	1-124-477-11	ELECT 47MF 20% 16V	
C173	1-124-477-11	ELECT 47MF 20% 16V	

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<FILTER>				JR23	1-216-296-00	METAL GLAZE	0 5% 1/8W
CF2	1-527-839-00	FILTER, CERAMIC		JR24	1-216-296-00	METAL GLAZE	0 5% 1/8W
CF3	1-527-840-00	FILTER, CERAMIC		JR25	1-216-296-00	METAL GLAZE	0 5% 1/8W
CF4	1-567-570-11	FILTER, CERAMIC		JR29	1-216-296-00	METAL GLAZE	0 5% 1/8W
SWF1	1-579-658-11	FILTER, SAWTOOTH WAVE		JR30	1-216-295-00	METAL GLAZE	0 5% 1/10W
<CONNECTOR>				JR33	1-216-295-00	METAL GLAZE	0 5% 1/10W
CN1	*1-506-913-11	PIN, CONNECTOR 10P		JR38	1-216-296-00	METAL GLAZE	0 5% 1/8W
CN2	*1-506-913-11	PIN, CONNECTOR 10P		JR39	1-216-296-00	METAL GLAZE	0 5% 1/8W
<TRIMMER>				JR40	1-216-296-00	METAL GLAZE	0 5% 1/8W
CT1	1-404-801-11	TRAP, CERAMIC		R101	1-216-075-00	METAL GLAZE	12K 5% 1/10W
<DIODE>				R102	1-216-073-00	METAL GLAZE	10K 5% 1/10W
D161	8-719-400-18	DIODE MA152WK		R103	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
<IC>				R104	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W
IC1	8-759-070-76	IC M52308SP		R106	1-216-049-00	METAL GLAZE	1K 5% 1/10W
IC2	8-759-070-71	IC TDA9820		R107	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
IC3	8-759-514-54	IC BA7046		R108	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
<COIL>				R110	1-216-041-00	METAL GLAZE	470 5% 1/10W
L101	1-408-421-00	INDUCTOR	100UH	R113	1-216-031-00	METAL GLAZE	180 5% 1/10W
L102	1-408-419-00	INDUCTOR	68UH	R114	1-216-049-00	METAL GLAZE	1K 5% 1/10W
L103	1-408-419-00	INDUCTOR	68UH	R115	1-216-027-00	METAL GLAZE	120 5% 1/10W
L104	1-408-408-00	INDUCTOR	8.2UH	R116	1-216-101-00	METAL GLAZE	150K 5% 1/10W
L121	1-408-413-00	INDUCTOR	22UH	R117	1-216-097-00	METAL GLAZE	100K 5% 1/10W
L122	1-408-420-00	INDUCTOR	82UH	R118	1-216-117-00	METAL GLAZE	680K 5% 1/10W
L142	1-410-790-41	INDUCTOR	0.56UH	R119	1-216-240-00	METAL GLAZE	56K 5% 1/8W
L151	1-408-419-00	INDUCTOR	68UH	R120	1-216-075-00	METAL GLAZE	12K 5% 1/10W
L161	1-408-419-00	INDUCTOR	68UH	R121	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
<TRANSISTOR>				R122	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
Q101	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R123	1-216-075-00	METAL GLAZE	12K 5% 1/10W
Q102	8-729-216-22	TRANSISTOR 2SA1162-G		R124	1-216-041-00	METAL GLAZE	470 5% 1/10W
Q121	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R125	1-216-041-00	METAL GLAZE	470 5% 1/10W
Q122	8-729-216-22	TRANSISTOR 2SA1162-G		R127	1-216-047-00	METAL GLAZE	820 5% 1/10W
Q161	8-729-216-22	TRANSISTOR 2SA1162-G		R130	1-216-049-00	METAL GLAZE	1K 5% 1/10W
Q170	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R131	1-216-025-00	METAL GLAZE	100 5% 1/10W
Q171	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R132	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
Q172	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R133	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
Q173	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R134	1-216-049-00	METAL GLAZE	1K 5% 1/10W
<RESISTOR>				R135	1-216-198-00	METAL GLAZE	1K 5% 1/8W
JR2	1-216-295-00	METAL GLAZE	0 5% 1/10W	R150	1-216-043-00	METAL GLAZE	560 5% 1/10W
JR3	1-216-296-00	METAL GLAZE	0 5% 1/8W	R151	1-216-043-00	METAL GLAZE	560 5% 1/10W
JR4	1-216-295-00	METAL GLAZE	0 5% 1/10W	R152	1-216-043-00	METAL GLAZE	560 5% 1/10W
JR7	1-216-295-00	METAL GLAZE	0 5% 1/10W	R153	1-216-025-00	METAL GLAZE	100 5% 1/10W
JR8	1-216-295-00	METAL GLAZE	0 5% 1/10W	R154	1-216-049-00	METAL GLAZE	1K 5% 1/10W
JR9	1-216-296-00	METAL GLAZE	0 5% 1/8W	R155	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W
JR11	1-216-296-00	METAL GLAZE	0 5% 1/8W	R156	1-216-083-00	METAL GLAZE	27K 5% 1/10W
JR14	1-216-296-00	METAL GLAZE	0 5% 1/8W	R157	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W
JR16	1-216-295-00	METAL GLAZE	0 5% 1/10W	R159	1-216-107-00	METAL GLAZE	270K 5% 1/10W
JR18	1-216-295-00	METAL GLAZE	0 5% 1/10W	R160	1-216-049-00	METAL GLAZE	1K 5% 1/10W
JR19	1-216-296-00	METAL GLAZE	0 5% 1/8W	R161	1-216-100-00	METAL CHIP	130K 0.50% 1/10W
JR20	1-216-296-00	METAL GLAZE	0 5% 1/8W	R162	1-216-073-00	METAL GLAZE	10K 5% 1/10W
JR21	1-216-296-00	METAL GLAZE	0 5% 1/8W	R163	1-216-113-00	METAL GLAZE	470K 5% 1/10W
				R164	1-216-113-00	METAL GLAZE	470K 5% 1/10W
				R165	1-216-081-00	METAL GLAZE	22K 5% 1/10W
				R166	1-216-049-00	METAL GLAZE	1K 5% 1/10W
				R167	1-216-073-00	METAL GLAZE	10K 5% 1/10W
				R168	1-216-113-00	METAL GLAZE	470K 5% 1/10W
				R169	1-216-049-00	METAL GLAZE	1K 5% 1/10W
				R170	1-216-083-00	METAL GLAZE	27K 5% 1/10W
				R171	1-216-075-00	METAL GLAZE	12K 5% 1/10W
				R172	1-216-095-00	METAL GLAZE	82K 5% 1/10W
				R173	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W
				R174	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
				R175	1-216-083-00	METAL GLAZE	27K 5% 1/10W
				R176	1-216-075-00	METAL GLAZE	12K 5% 1/10W

IF

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R177	1-216-095-00	METAL GLAZE 82K 5% 1/10W				<TRIMMER>	
R178	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W		CT1	1-409-333-00	TRAP, CERAMIC (6.0MHZ)	
R179	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W				<DIODE>	
R180	1-216-037-00	METAL GLAZE 330 5% 1/10W		D161	8-719-400-18	DIODE MA152WK	
R181	1-216-037-00	METAL GLAZE 330 5% 1/10W				<IC>	
		<VARIABLE RESISTOR>		IC1	8-759-070-76	IC M52308SP	
RV1	1-241-121-11	RES, ADJ, CARBON 4.7K		IC3	8-759-514-54	IC BA7046	
		<TRANSFORMER>				<COIL>	
T4	1-416-017-11	COIL, IF		L101	1-408-414-00	INDUCTOR 27UH	
T5	1-416-018-21	COIL, IF		L102	1-408-419-00	INDUCTOR 68UH	
*****				L103	1-408-419-00	INDUCTOR 68UH	
	1-466-734-11	IF BLOCK (IFH-395) (KV-S2912U)		L104	1-408-406-00	INDUCTOR 5.6UH	
		*****		L105	1-408-410-00	INDUCTOR 12UH	
		<CAPACITOR>		L142	1-410-790-41	INDUCTOR 0.56UH	
C101	1-163-239-11	CERAMIC CHIP 33PF 5% 50V		L161	1-408-419-00	INDUCTOR 68UH	
C102	1-164-222-11	CERAMIC CHIP 0.22MF 10% 50V				<TRANSISTOR>	
C103	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V		Q101	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C104	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V		Q102	8-729-216-22	TRANSISTOR 2SA1162-G	
C105	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V		Q122	8-729-216-22	TRANSISTOR 2SA1162-G	
C106	1-124-477-11	ELECT 47MF 20% 16V		Q161	8-729-216-22	TRANSISTOR 2SA1162-G	
C107	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V		Q172	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C108	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V		Q173	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C109	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V				<RESISTOR>	
C112	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V		JR1	1-216-296-00	METAL GLAZE 0 5% 1/8W	
C113	1-163-101-00	CERAMIC CHIP 22PF 5% 50V		JR2	1-216-295-00	METAL GLAZE 0 5% 1/10W	
C114	1-124-477-11	ELECT 47MF 20% 16V		JR3	1-216-296-00	METAL GLAZE 0 5% 1/8W	
C115	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V		JR4	1-216-295-00	METAL GLAZE 0 5% 1/10W	
C116	1-164-346-11	CERAMIC CHIP 1MF 16V		JR7	1-216-295-00	METAL GLAZE 0 5% 1/10W	
C118	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V		JR8	1-216-295-00	METAL GLAZE 0 5% 1/10W	
C119	1-163-369-11	CERAMIC CHIP 47PF 5% 50V		JR9	1-216-296-00	METAL GLAZE 0 5% 1/8W	
C122	1-163-093-00	CERAMIC CHIP 10PF 5% 50V		JR10	1-216-296-00	METAL GLAZE 0 5% 1/8W	
C130	1-216-295-00	METAL GLAZE 0 5% 1/10W		JR11	1-216-296-00	METAL GLAZE 0 5% 1/8W	
C131	1-163-224-11	CERAMIC CHIP 7PF 0.25PF 50V		JR12	1-216-295-00	METAL GLAZE 0 5% 1/10W	
C133	1-124-477-11	ELECT 47MF 20% 16V		JR13	1-163-093-00	CERAMIC CHIP 10PF 5% 50V	
C161	1-163-117-00	CERAMIC CHIP 100PF 5% 50V		JR14	1-216-296-00	METAL GLAZE 0 5% 1/8W	
C162	1-164-222-11	CERAMIC CHIP 0.22MF 10% 50V		JR16	1-216-295-00	METAL GLAZE 0 5% 1/10W	
C163	1-164-346-11	CERAMIC CHIP 1MF 16V		JR18	1-216-295-00	METAL GLAZE 0 5% 1/10W	
C164	1-163-141-00	CERAMIC CHIP 0.001MF 5% 50V		JR19	1-216-296-00	METAL GLAZE 0 5% 1/8W	
C165	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V		JR20	1-216-296-00	METAL GLAZE 0 5% 1/8W	
C166	1-124-477-11	ELECT 47MF 20% 16V		JR21	1-216-296-00	METAL GLAZE 0 5% 1/8W	
C167	1-163-213-00	CERAMIC CHIP 0.0022MF 5% 50V		JR23	1-216-296-00	METAL GLAZE 0 5% 1/8W	
C168	1-164-346-11	CERAMIC CHIP 1MF 16V		JR24	1-216-296-00	METAL GLAZE 0 5% 1/8W	
C170	1-124-477-11	ELECT 47MF 20% 16V		JR25	1-216-296-00	METAL GLAZE 0 5% 1/8W	
C171	1-124-477-11	ELECT 47MF 20% 16V		JR29	1-216-296-00	METAL GLAZE 0 5% 1/8W	
		<FILTER>		JR30	1-216-295-00	METAL GLAZE 0 5% 1/10W	
CD1	1-579-657-21	DISCRIMINATOR, CERAMIC		JR33	1-216-295-00	METAL GLAZE 0 5% 1/10W	
CF1	1-567-569-11	FILTER, CERAMIC		JR38	1-216-296-00	METAL GLAZE 0 5% 1/8W	
SWF1	1-579-659-11	FILTER, SAWTOOTH WAVE		JR39	1-216-296-00	METAL GLAZE 0 5% 1/8W	
		<CONNECTOR>		JR40	1-216-296-00	METAL GLAZE 0 5% 1/8W	
CN1	*1-506-913-11	PIN, CONNECTOR 10P		JR41	1-216-295-00	METAL GLAZE 0 5% 1/10W	
CN2	*1-506-913-11	PIN, CONNECTOR 10P		JR42	1-216-295-00	METAL GLAZE 0 5% 1/10W	
				JR101	1-216-295-00	METAL GLAZE 0 5% 1/10W	
				R101	1-216-075-00	METAL GLAZE 12K 5% 1/10W	

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R102	1-216-045-00	METAL GLAZE 680 5%	1/10W	C5	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
R103	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	C6	1-163-017-00	CERAMIC CHIP 0.0047MF 10%	50V
R104	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W	C7	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
R105	1-216-043-00	METAL GLAZE 560 5%	1/10W	C8	1-163-017-00	CERAMIC CHIP 0.0047MF 10%	50V
R106	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C9	1-126-233-11	ELECT 22MF 20%	25V
R107	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	C10	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
R108	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	C11	1-124-477-11	ELECT 47MF 20%	16V
R110	1-216-041-00	METAL GLAZE 470 5%	1/10W	C13	1-163-059-00	CERAMIC CHIP 0.01MF 10%	50V
R112	1-216-045-00	METAL GLAZE 680 5%	1/10W	C14	1-124-477-11	ELECT 47MF 20%	16V
R113	1-216-031-00	METAL GLAZE 180 5%	1/10W	C15	1-124-903-11	ELECT 1MF 20%	50V
R114	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C16	1-163-061-00	CERAMIC CHIP 0.015MF 10%	50V
R115	1-216-031-00	METAL GLAZE 180 5%	1/10W	C17	1-162-638-11	CERAMIC CHIP 1MF	16V
R116	1-216-101-00	METAL GLAZE 150K 5%	1/10W	C18	1-162-638-11	CERAMIC CHIP 1MF	16V
R117	1-216-097-00	METAL GLAZE 100K 5%	1/10W	C19	1-163-141-00	CERAMIC CHIP 0.001MF 5%	50V
R118	1-216-117-00	METAL GLAZE 680K 5%	1/10W	C20	1-124-902-00	ELECT 0.47MF 20%	50V
R119	1-216-240-00	METAL GLAZE 56K 5%	1/8W	C21	1-124-903-11	ELECT 1MF 20%	50V
R120	1-216-075-00	METAL GLAZE 12K 5%	1/10W	C22	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
R121	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W	C23	1-124-902-00	ELECT 0.47MF 20%	50V
R122	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W	C24	1-164-506-11	CERAMIC CHIP 4.7MF	16V
R123	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W	C25	1-124-477-11	ELECT 47MF 20%	16V
R130	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C26	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
R131	1-216-025-00	METAL GLAZE 100 5%	1/10W	C27	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
R132	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W	C28	1-124-477-11	ELECT 47MF 20%	16V
R133	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W	C33	1-124-907-11	ELECT 10MF 20%	50V
R134	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C34	1-124-907-11	ELECT 10MF 20%	50V
R135	1-216-198-00	METAL GLAZE 1K 5%	1/8W	C35	1-124-925-11	ELECT 2.2MF 20%	50V
R153	1-216-025-00	METAL GLAZE 100 5%	1/10W	C36	1-124-477-11	ELECT 47MF 20%	16V
R159	1-216-107-00	METAL GLAZE 270K 5%	1/10W	C37	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
R160	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C38	1-163-017-00	CERAMIC CHIP 0.0047MF 10%	50V
R161	1-216-100-00	METAL CHIP 130K 0.50%	1/10W	C40	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
R162	1-216-073-00	METAL GLAZE 10K 5%	1/10W	C71	1-124-477-11	ELECT 47MF 20%	16V
R163	1-216-113-00	METAL GLAZE 470K 5%	1/10W	C72	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
R164	1-216-113-00	METAL GLAZE 470K 5%	1/10W	C80	1-124-477-11	ELECT 47MF 20%	16V
R165	1-216-081-00	METAL GLAZE 22K 5%	1/10W	C83	1-124-477-11	ELECT 47MF 20%	16V
R166	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C84	1-124-477-11	ELECT 47MF 20%	16V
R167	1-216-073-00	METAL GLAZE 10K 5%	1/10W	C85	1-124-477-11	ELECT 47MF 20%	16V
R168	1-216-113-00	METAL GLAZE 470K 5%	1/10W	C86	1-124-477-11	ELECT 47MF 20%	16V
R169	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C87	1-124-477-11	ELECT 47MF 20%	16V
R175	1-216-083-00	METAL GLAZE 27K 5%	1/10W	C91	1-163-229-11	CERAMIC CHIP 12PF 5%	50V
R176	1-216-075-00	METAL GLAZE 12K 5%	1/10W	C95	1-164-337-11	CERAMIC CHIP 2.2MF	16V
R177	1-216-095-00	METAL GLAZE 82K 5%	1/10W	C101	1-163-017-00	CERAMIC CHIP 0.0047MF 10%	50V
R178	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W	C102	1-163-017-00	CERAMIC CHIP 0.0047MF 10%	50V
R179	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	C104	1-163-017-00	CERAMIC CHIP 0.0047MF 10%	50V
R181	1-216-037-00	METAL GLAZE 330 5%	1/10W	C105	1-163-017-00	CERAMIC CHIP 0.0047MF 10%	50V
				C106	1-163-017-00	CERAMIC CHIP 0.0047MF 10%	50V
				C121	1-126-176-11	ELECT 220MF 20%	10V
<VARIABLE RESISTOR>				C122	1-163-119-00	CERAMIC CHIP 120PF 5%	50V
RV1	1-241-121-11	RES, ADJ. CARBON 4.7K					
<TRANSFORMER>				<FILTER>			
T4	1-416-017-11	COIL, IF		CF1	1-527-839-00	FILTER, CERAMIC	
T5	1-416-018-21	COIL, IF		CF2	1-567-569-11	FILTER, CERAMIC	
*****				CF3	1-527-840-00	FILTER, CERAMIC	
	1-466-735-11	IF BLOCK (IFH-389F) (KV-S2911B)		CF4	1-567-570-11	FILTER, CERAMIC	
		*****		SWF1	1-579-662-11	FILTER, SURFACE WAVE	
<CAPACITOR>				SWF3	1-404-711-11	SAWF	
C1	1-163-017-00	CERAMIC CHIP 0.0047MF 10%	50V	SWF4	1-579-660-11	FILTER, SAWTOOTH WAVE	
C2	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V				
C3	1-124-903-11	ELECT 1MF 20%	50V	<CONNECTOR>			
C4	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V	CN1	*1-506-913-11	PIN, CONNECTOR 10P	
				CN2	*1-506-913-11	PIN, CONNECTOR 10P	

IF

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<TRIMMER>							
CT1	1-404-801-11	TRAP, CERAMIC		R11	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W
CT2	1-409-429-11	TRAP, CERAMIC		R24	1-216-280-00	METAL GLAZE 2.7M 5%	1/8W
CV1	1-141-245-00	CAP, TRIMMER		R25	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
CV2	1-141-245-00	CAP, TRIMMER		R26	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
CV3	1-141-304-21	TRIMMER, CERAMIC		R27	1-216-266-00	METAL GLAZE 680K 5%	1/8W
<DIODE>				R28	1-216-075-00	METAL GLAZE 12K 5%	1/10W
D7	8-719-421-57	DIODE MA73-TX		R29	1-216-035-00	METAL GLAZE 270 5%	1/10W
D8	8-719-421-57	DIODE MA73-TX		R30	1-216-049-00	METAL GLAZE 1K 5%	1/10W
D9	8-719-421-57	DIODE MA73-TX		R31	1-216-017-00	METAL GLAZE 47 5%	1/10W
<IC>				R32	1-216-043-00	METAL GLAZE 560 5%	1/10W
IC1	8-759-070-75	IC W52312SP		R33	1-216-037-00	METAL GLAZE 330 5%	1/10W
IC2	8-759-070-71	IC TDA9820		R34	1-216-252-00	METAL GLAZE 180K 5%	1/8W
IC3	8-759-979-62	IC PCF8574		R35	1-216-035-00	METAL GLAZE 270 5%	1/10W
<COIL>				R36	1-216-029-00	METAL GLAZE 150 5%	1/10W
L1	1-408-419-00	INDUCTOR 68UH		R37	1-216-049-00	METAL GLAZE 1K 5%	1/10W
L2	1-408-419-00	INDUCTOR 68UH		R38	1-216-099-00	METAL GLAZE 120K 5%	1/10W
L3	1-408-407-00	INDUCTOR 6.8UH		R39	1-216-089-00	METAL GLAZE 47K 5%	1/10W
L4	1-408-419-00	INDUCTOR 68UH		R40	1-216-049-00	METAL GLAZE 1K 5%	1/10W
L5	1-408-419-00	INDUCTOR 68UH		R42	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
L7	1-408-406-00	INDUCTOR 5.6UH		R43	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
L9	1-408-419-00	INDUCTOR 68UH		R44	1-216-027-00	METAL GLAZE 120 5%	1/10W
L71	1-408-419-00	INDUCTOR 68UH		R45	1-216-041-00	METAL GLAZE 470 5%	1/10W
L101	1-408-399-00	INDUCTOR 1.5UH		R46	1-216-031-00	METAL GLAZE 180 5%	1/10W
L121	1-408-407-00	INDUCTOR 6.8UH		R47	1-216-075-00	METAL GLAZE 12K 5%	1/10W
<TRANSISTOR>				R48	1-216-081-00	METAL GLAZE 22K 5%	1/10W
Q1	8-729-901-59	TRANSISTOR BF199		R49	1-216-049-00	METAL GLAZE 1K 5%	1/10W
Q4	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R53	1-216-083-00	METAL GLAZE 27K 5%	1/10W
Q5	8-729-115-10	TRANSISTOR 2SK105A-10		R54	1-216-043-00	METAL GLAZE 560 5%	1/10W
Q6	8-729-900-52	TRANSISTOR DTC114YK		R55	1-216-043-00	METAL GLAZE 560 5%	1/10W
Q7	8-729-216-22	TRANSISTOR 2SA1162-G		R56	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
Q8	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R57	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
Q10	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R58	1-216-041-00	METAL GLAZE 470 5%	1/10W
Q11	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R59	1-216-043-00	METAL GLAZE 560 5%	1/10W
Q12	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R60	1-216-043-00	METAL GLAZE 560 5%	1/10W
Q13	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R61	1-216-295-00	METAL GLAZE 0 5%	1/10W
Q14	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R63	1-216-043-00	METAL GLAZE 560 5%	1/10W
Q15	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R71	1-216-079-00	METAL GLAZE 18K 5%	1/10W
Q16	8-729-216-22	TRANSISTOR 2SA1162-G		R72	1-216-079-00	METAL GLAZE 18K 5%	1/10W
Q101	8-729-104-80	TRANSISTOR 2SC3355		R73	1-216-049-00	METAL GLAZE 1K 5%	1/10W
Q121	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R74	1-216-079-00	METAL GLAZE 18K 5%	1/10W
<RESISTOR>				R75	1-216-079-00	METAL GLAZE 18K 5%	1/10W
JR2	1-216-295-00	METAL GLAZE 0 5%	1/10W	R76	1-216-025-00	METAL GLAZE 100 5%	1/10W
JR3	1-216-296-00	METAL GLAZE 0 5%	1/8W	R77	1-216-174-00	METAL GLAZE 100 5%	1/8W
JR5	1-216-296-00	METAL GLAZE 0 5%	1/8W	R81	1-216-095-00	METAL GLAZE 82K 5%	1/10W
R1	1-216-025-00	METAL GLAZE 100 5%	1/10W	R82	1-216-121-00	METAL GLAZE 1M 5%	1/10W
R2	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R83	1-216-025-00	METAL GLAZE 100 5%	1/10W
R3	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R84	1-216-085-00	METAL GLAZE 33K 5%	1/10W
R4	1-216-041-00	METAL GLAZE 470 5%	1/10W	R85	1-216-085-00	METAL GLAZE 33K 5%	1/10W
R5	1-216-021-00	METAL GLAZE 68 5%	1/10W	R86	1-216-689-11	METAL GLAZE 39K 5%	1/10W
R6	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W	R87	1-216-095-00	METAL GLAZE 82K 5%	1/10W
R8	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W	R88	1-216-095-00	METAL GLAZE 82K 5%	1/10W
R9	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W	R89	1-216-095-00	METAL GLAZE 82K 5%	1/10W
R10	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W	R90	1-216-075-00	METAL GLAZE 12K 5%	1/10W
				R91	1-216-295-00	METAL GLAZE 0 5%	1/10W
				R92	1-216-075-00	METAL GLAZE 12K 5%	1/10W
				R93	1-216-075-00	METAL GLAZE 12K 5%	1/10W
				R94	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W
				R95	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W
				R96	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W
				R97	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
				R98	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
				R99	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
				R100	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R102	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W		D705	8-719-911-19	DIODE 1SS119	
R103	1-216-063-00	METAL GLAZE 3.9K 5% 1/10W		D706	8-719-911-19	DIODE 1SS119	
R104	1-216-049-00	METAL GLAZE 1K 5% 1/10W		D707	8-719-911-19	DIODE 1SS119	
R105	1-216-033-00	METAL GLAZE 220 5% 1/10W		D708	8-719-911-19	DIODE 1SS119	
R121	1-216-073-00	METAL GLAZE 10K 5% 1/10W		D709	8-719-911-19	DIODE 1SS119	
				D710	8-719-911-19	DIODE 1SS119	
R122	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W					
R123	1-216-041-00	METAL GLAZE 470 5% 1/10W		D713	8-719-911-55	DIODE U05G	
R124	1-216-041-00	METAL GLAZE 470 5% 1/10W					
R125	1-216-041-00	METAL GLAZE 470 5% 1/10W					
R301	1-216-049-00	METAL GLAZE 1K 5% 1/10W					
R302	1-216-049-00	METAL GLAZE 1K 5% 1/10W					
R303	1-216-049-00	METAL GLAZE 1K 5% 1/10W					
R304	1-216-037-00	METAL GLAZE 330 5% 1/10W					
R305	1-216-049-00	METAL GLAZE 1K 5% 1/10W					
R306	1-216-025-00	METAL GLAZE 100 5% 1/10W					
R307	1-216-037-00	METAL GLAZE 330 5% 1/10W					
R308	1-216-037-00	METAL GLAZE 330 5% 1/10W					
							</



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R731	1-216-017-00	METAL GLAZE	47 5% 1/10W	C1684	1-137-122-91	FILM	0.0022MF 5% 63V
R732	1-216-017-00	METAL GLAZE	47 5% 1/10W	C1690	1-124-046-00	ELECT	10MF 20% 160V
R733	1-216-017-00	METAL GLAZE	47 5% 1/10W	C1801	1-124-910-11	ELECT	47MF 20% 50V
R734	1-202-549-00	SOLID	100 20% 1/2W	C1802	1-124-910-11	ELECT	47MF 20% 50V
R735	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C1803	1-137-126-91	FILM	0.01MF 5% 63V
R738	1-216-025-00	METAL GLAZE	100 5% 1/10W	C1804	1-137-126-91	FILM	0.01MF 5% 63V
R739	1-216-025-00	METAL GLAZE	100 5% 1/10W	C1805	1-137-132-91	FILM	0.1MF 5% 63V
R740	1-216-025-00	METAL GLAZE	100 5% 1/10W	C1806	1-137-132-91	FILM	0.1MF 5% 63V
R741	1-216-089-00	METAL GLAZE	47K 5% 1/10W	C1807	1-124-360-00	ELECT	1000MF 20% 16V
R742	1-216-295-00	METAL GLAZE	0 5% 1/10W	C1809	1-136-104-00	FILM	0.16MF 5% 200V
R743	1-249-434-11	CARBON	27K 5% 1/4W	C1810	1-137-028-11	FILM	1MF 10% 63V
R747	1-216-488-11	METAL OXIDE	18K 5% 3W F	C1811	1-162-318-11	CERAMIC	0.001MF 10% 500V
R749	1-215-926-00	METAL OXIDE	33K 5% 3W F	C1812	1-124-927-11	ELECT	4.7MF 20% 50V
R751	1-216-489-11	METAL OXIDE	27K 5% 3W F	C1813	1-137-130-91	FILM	0.047MF 5% 63V
R753	1-216-073-00	METAL GLAZE	10K 5% 1/10W	C1814	1-124-907-11	ELECT	10MF 20% 50V
R758	1-249-419-11	CARBON	1.5K 5% 1/4W	C1815	1-124-907-11	ELECT	10MF 20% 50V
R759	1-249-419-11	CARBON	1.5K 5% 1/4W	C1816	1-126-233-11	ELECT	22MF 20% 50V
R760	1-249-419-11	CARBON	1.5K 5% 1/4W	C1817	1-124-927-11	ELECT	4.7MF 20% 50V
<VARIABLE RESISTOR>				C1818	1-124-910-11	ELECT	47MF 20% 50V
RV701	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M		C1819	1-137-132-91	FILM	0.1MF 5% 63V
RV702	1-241-714-11	RES, ADJ, METAL FILM 110M		C1820	1-126-103-11	ELECT	470MF 20% 16V
*****				C1822	1-137-043-11	FILM	0.0047MF 10% 400V
*****				<CONNECTOR>			
*A-1341-570-A D1 BOARD, COMPLETE				CN0607*1-568-879-51	PIN, CONNECTOR 4P		
*****				CN0622*1-564-512-11	PLUG, CONNECTOR 9P		
*4-341-751-01 EYELET (EY1,EY2)				CN0630*1-568-878-51	PIN, CONNECTOR 3P		
*4-341-752-01 EYELET (EY3,EY4)				CY1 *1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P		
4-382-854-11 SCREW (M3X10), P, SW (+)				<DIODE>			
<CAPACITOR>				D1601	8-719-911-19	DIODE 1SS119	
C1601	1-124-903-11	ELECT	1MF 20% 50V	D1602	8-719-109-97	DIODE RD6.8ES-B2	
C1602	1-126-320-11	ELECT	10MF 20% 16V	D1603	8-719-979-85	DIODE EGP20G	
C1603	1-137-134-91	FILM	0.22MF 5% 63V	D1605	8-719-911-19	DIODE 1SS119	
C1605	1-124-907-11	ELECT	10MF 20% 50V	D1606	8-719-981-01	DIODE ERA81-004	
C1606	1-124-910-11	ELECT	47MF 20% 50V	D1607	8-719-911-19	DIODE 1SS119	
C1607	1-124-902-00	ELECT	0.47MF 20% 50V	D1608	8-719-981-01	DIODE ERA81-004	
C1608	1-102-112-00	CERAMIC	330PF 10% 50V	D1611	8-719-911-19	DIODE 1SS119	
C1610	1-136-103-00	FILM	0.1MF 5% 200V	D1612	8-719-970-87	DIODE ERA38-06	
C1611	1-124-903-11	ELECT	1MF 20% 50V	D1613	8-719-109-89	DIODE RD5.6ES-B2	
C1614	1-137-127-91	FILM	0.015MF 5% 63V	D1614	8-719-911-19	DIODE 1SS119	
C1615	1-124-903-11	ELECT	1MF 20% 50V	D1680	8-719-970-87	DIODE ERA38-06	
C1617	1-137-038-91	FILM	0.001MF 10% 400V	D1801	8-719-981-01	DIODE ERA81-004	
C1618	1-102-074-00	CERAMIC	0.001MF 10% 50V	D1802	8-719-911-19	DIODE 1SS119	
C1620	1-136-601-11	FILM	0.01MF 5% 630V	D1803	8-719-911-19	DIODE 1SS119	
C1622	1-124-557-11	ELECT	1000MF 20% 25V	D1804	8-719-911-19	DIODE 1SS119	
C1623	1-137-038-91	FILM	0.001MF 10% 400V	D1805	8-719-801-35	THYRISTOR SHOR3D42	
C1625	1-126-320-11	ELECT	10MF 20% 16V	D1806	8-719-981-01	DIODE ERA81-004	
C1626	1-137-132-91	FILM	0.1MF 5% 63V	D1807	8-719-981-01	DIODE ERA81-004	
C1627	1-137-136-91	FILM	0.47MF 5% 63V	D1808	8-719-911-19	DIODE 1SS119	
C1628	1-124-907-11	ELECT	10MF 20% 50V	D1809	8-719-911-19	DIODE 1SS119	
C1629	1-136-557-11	FILM	0.0033MF 10% 630V	D1810	8-719-911-19	DIODE 1SS119	
C1630	1-102-244-00	CERAMIC	220PF 10% 500V	D1811	8-719-300-33	DIODE RU-3AM	
C1631	1-124-907-11	ELECT	10MF 20% 50V	D1812	8-719-911-19	DIODE 1SS119	
C1632	1-124-907-11	ELECT	10MF 20% 50V	D1813	8-719-911-19	DIODE 1SS119	
C1633	1-124-907-11	ELECT	10MF 20% 50V	<IC>			
C1634	1-137-043-11	FILM	0.0047MF 10% 400V	IC1601	8-759-135-80	IC UPC358C	
C1635	1-129-718-00	FILM	0.022MF 10% 630V	IC1603	8-759-987-16	IC LM393P	
C1637	1-137-122-91	FILM	0.0022MF 5% 63V	IC1604	8-759-987-16	IC LM393P	
C1680	1-124-797-11	ELECT	0.47MF 20% 160V	IC1801	8-749-920-58	IC SI-3090CA	
C1681	1-129-702-00	FILM	0.001MF 10% 630V	*4-341-752-01 EYELET; IC1801			

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
IC1802	8-752-052-88	IC CXA1526P		R1617	1-216-081-00	METAL GLAZE	22K 5% 1/10W
IC1803	8-759-135-80	IC UPC358C		R1619	1-216-085-00	METAL GLAZE	33K 5% 1/10W
				R1620	1-249-419-11	CARBON	1.5K 5% 1/4W
		<COIL>		R1621	1-215-876-71	METAL OXIDE	15K 5% 1W F
L1601	1-410-093-11	INDUCTOR 33MMH		R1622	1-215-870-71	METAL OXIDE	1.5K 5% 1W F
L1602	1-459-075-00	COIL,DYNAMIC CONVERSION CHOKE		R1623	1-249-429-11	CARBON	10K 5% 1/4W
L1607	1-459-148-00	COIL		R1624	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
	*4-341-751-01	EYELET; L1607		R1625	1-249-430-11	CARBON	12K 5% 1/4W
L1801	1-459-592-11	COIL (WITH CORE) (PMC)		R1626	1-249-409-11	CARBON	220 5% 1/4W
L1802	1-459-087-00	COIL,HCC DUST CORE 3.9MMH		R1627	1-249-415-11	CARBON	680 5% 1/4W
				R1628	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
				R1629	1-249-429-11	CARBON	10K 5% 1/4W
				R1630	1-249-433-11	CARBON	22K 5% 1/4W
		<TRANSISTOR>		R1631	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
Q1601	8-729-173-38	TRANSISTOR 2SA733-K		R1632	1-249-431-11	CARBON	15K 5% 1/4W
Q1602	8-729-119-78	TRANSISTOR 2SC2785-HFE		R1633	1-249-421-11	CARBON	2.2K 5% 1/4W
Q1603	8-729-119-78	TRANSISTOR 2SC2785-HFE		R1634	1-216-093-00	METAL GLAZE	68K 5% 1/10W
Q1604	8-729-173-38	TRANSISTOR 2SA733-K		R1635	1-216-073-00	METAL GLAZE	10K 5% 1/10W
Q1605	8-729-173-38	TRANSISTOR 2SA733-K		R1636	1-216-073-00	METAL GLAZE	10K 5% 1/10W
Q1606	8-729-119-80	TRANSISTOR 2SC2688-LK		R1637	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
Q1607	8-729-119-80	TRANSISTOR 2SC2688-LK		R1638	1-249-405-11	CARBON	100 5% 1/4W
Q1608	8-729-300-80	TRANSISTOR 2SB860		R1639	1-249-405-11	CARBON	100 5% 1/4W F
Q1609	8-729-140-96	TRANSISTOR 2SD774-34		R1640	1-249-405-11	CARBON	100 5% 1/4W F
Q1610	8-729-119-78	TRANSISTOR 2SC2785-HFE		R1641	1-249-405-11	CARBON	100 5% 1/4W
Q1611	8-729-119-78	TRANSISTOR 2SC2785-HFE		R1644	1-216-081-00	METAL GLAZE	22K 5% 1/10W
Q1612	8-729-173-38	TRANSISTOR 2SA733-K		R1645	1-216-113-00	METAL GLAZE	470K 5% 1/10W
Q1613	8-729-011-02	TRANSISTOR 2SK1917		R1646	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
Q1614	8-729-173-38	TRANSISTOR 2SA733-K		R1647	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
Q1615	8-729-011-06	TRANSISTOR 2SC3840K		R1648	1-249-435-11	CARBON	33K 5% 1/4W
Q1616	8-729-173-38	TRANSISTOR 2SA733-K		R1650	1-249-425-11	CARBON	4.7K 5% 1/4W
Q1617	8-729-119-78	TRANSISTOR 2SC2785-HFE		R1652	1-216-025-00	METAL GLAZE	100 5% 1/10W
Q1618	8-729-119-78	TRANSISTOR 2SC2785-HFE		R1653	1-216-107-00	METAL GLAZE	270K 5% 1/10W
Q1802	8-729-173-38	TRANSISTOR 2SA733-K		R1654	1-247-889-00	CARBON	270K 5% 1/4W
Q1803	8-729-119-78	TRANSISTOR 2SC2785-HFE		R1655	1-215-876-71	METAL OXIDE	15K 5% 1W F
Q1804	8-729-119-78	TRANSISTOR 2SC2785-HFE		R1656	1-249-413-11	CARBON	470 5% 1/4W
Q1805	8-729-140-97	TRANSISTOR 2SB734-34		R1657	1-249-393-11	CARBON	10 5% 1/4W F
Q1806	8-729-119-78	TRANSISTOR 2SC2785-HFE		R1658	1-249-437-11	CARBON	47K 5% 1/4W
Q1807	8-729-140-97	TRANSISTOR 2SB734-34		R1659	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q1808	8-729-173-38	TRANSISTOR 2SA733-K		R1660	1-216-089-00	METAL GLAZE	47K 5% 1/10W
Q1809	8-729-209-15	TRANSISTOR 2SD2012		R1661	1-216-073-00	METAL GLAZE	10K 5% 1/10W
Q1810	8-729-140-96	TRANSISTOR 2SD774-34		R1662	1-216-097-00	METAL GLAZE	100K 5% 1/10W
Q1811	8-729-119-78	TRANSISTOR 2SC2785-HFE		R1664	1-249-412-11	CARBON	390 5% 1/4W F
Q1812	8-729-119-78	TRANSISTOR 2SC2785-HFE		R1665	1-216-459-00	METAL OXIDE	2.7K 5% 2W F
Q1813	8-729-119-78	TRANSISTOR 2SC2785-HFE		R1666	1-216-459-00	METAL OXIDE	2.7K 5% 2W F
		<RESISTOR>		R1671	1-216-081-00	METAL GLAZE	22K 5% 1/10W
JR1	1-216-295-00	METAL GLAZE 0 5%	1/10W	R1680	1-249-417-11	CARBON	1K 5% 1/4W
JR2	1-216-295-00	METAL GLAZE 0 5%	1/10W	R1681	1-249-429-11	CARBON	10K 5% 1/4W
R1601	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W	R1682	1-249-433-11	CARBON	22K 5% 1/4W
R1602	1-249-433-11	CARBON 22K 5%	1/4W	R1683	1-249-411-11	CARBON	330 5% 1/4W
R1603	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R1684	1-249-436-11	CARBON	39K 5% 1/4W
R1604	1-249-429-11	CARBON 10K 5%	1/4W	R1685	1-249-441-11	CARBON	100K 5% 1/4W
R1605	1-216-081-00	METAL GLAZE 22K 5%	1/10W	R1686	1-249-441-11	CARBON	100K 5% 1/4W
R1606	1-249-425-11	CARBON 4.7K 5%	1/4W	R1687	1-249-441-11	CARBON	100K 5% 1/4W
R1607	1-249-436-11	CARBON 39K 5%	1/4W	R1801	1-249-409-11	CARBON	220 5% 1/4W
R1608	1-216-091-00	METAL GLAZE 56K 5%	1/10W	R1802	1-249-409-11	CARBON	220 5% 1/4W
R1609	1-216-082-00	METAL GLAZE 24K 5%	1/10W	R1804	1-247-891-00	CARBON	330K 5% 1/4W
R1610	1-216-689-11	METAL GLAZE 39K 5%	1/10W	R1806	1-216-103-00	METAL GLAZE	180K 5% 1/10W
R1611	1-216-113-00	METAL GLAZE 470K 5%	1/10W	R1807	1-247-891-00	CARBON	330K 5% 1/4W
R1612	1-249-425-11	CARBON 4.7K 5%	1/4W	R1808	1-215-461-00	METAL	47K 1% 1/4W
R1613	1-249-425-11	CARBON 4.7K 5%	1/4W	R1809	1-249-423-11	CARBON	3.3K 5% 1/4W
R1615	1-249-427-11	CARBON 6.8K 5%	1/4W	R1810	1-249-413-11	CARBON	470 5% 1/4W
R1616	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	R1811	1-216-083-00	METAL GLAZE	27K 5% 1/10W
				R1812	1-216-091-00	METAL GLAZE	56K 5% 1/10W

D1 D2 VM

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R1813	1-249-417-11	CARBON 1K 5%	1/4W	D1853	8-719-300-33	DIODE RU-3AM	
R1815	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W	D1854	8-719-300-33	DIODE RU-3AM	
R1816	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	D1855	8-719-300-33	DIODE RU-3AM	
R1817	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W				
R1818	1-216-049-00	METAL GLAZE 1K 5%	1/10W				
R1819	1-216-079-00	METAL GLAZE 18K 5%	1/10W				
R1820	1-249-417-11	CARBON 1K 5%	1/4W				
R1821	1-216-379-11	METAL OXIDE 6.8 5%	2W F	IC1851	8-759-987-16	IC LM393P	
R1822	1-249-423-11	CARBON 3.3K 5%	1/4W	IC1852	8-759-987-16	IC LM393P	
R1824	1-249-417-11	CARBON 1K 5%	1/4W F	IC1853	8-759-708-09	IC NJM78L09A	
R1825	1-215-857-71	METAL OXIDE 10 5%	1W F				
R1826	1-249-404-00	CARBON 82 5%	1/4W				
R1827	1-215-875-71	METAL OXIDE 10K 5%	1W F				
R1828	1-249-441-11	CARBON 100K 5%	1/4W	L1851	1-460-200-11	COIL (WITH CORE)	
R1829	1-249-414-11	CARBON 560 5%	1/4W				
R1830	1-249-411-11	CARBON 330 5%	1/4W				
R1831	1-249-426-11	CARBON 5.6K 5%	1/4W				
R1832	1-215-864-71	METAL OXIDE 150 5%	1W F	Q1851	8-729-012-26	TRANSISTOR IRF540Y	
R1833	1-249-421-11	CARBON 2.2K 5%	1/4W	Q1852	8-729-012-26	TRANSISTOR IRF540Y	
R1834	1-216-091-00	METAL GLAZE 56K 5%	1/10W	Q1853	8-729-931-45	TRANSISTOR IRF614	
R1835	1-249-393-11	CARBON 10 5%	1/4W				
R1836	1-249-435-11	CARBON 33K 5%	1/4W				
R1837	1-249-435-11	CARBON 33K 5%	1/4W				
R1838	1-216-379-11	METAL OXIDE 6.8 5%	2W F				
R1839	1-249-410-11	CARBON 270 5%	1/4W				
R1840	1-249-429-11	CARBON 10K 5%	1/4W				
R1841	1-249-437-11	CARBON 47K 5%	1/4W				
R1842	1-249-429-11	CARBON 10K 5%	1/4W				
R1843	1-249-421-11	CARBON 2.2K 5%	1/4W				
R1846	1-249-429-11	CARBON 10K 5%	1/4W				
R1847	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W				
R1848	1-249-429-11	CARBON 10K 5%	1/4W				
R1849	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W				

*A-1341-571-A D2 BOARD, COMPLETE							

*4-341-752-01 EYELET (EY990-EY993)							
<CAPACITOR>							
C1851	1-124-478-11	ELECT 100MF 20%	25V				
C1852	1-124-478-11	ELECT 100MF 20%	25V				
C1853	1-130-487-00	MYLAR 0.022MF 5%	50V				
C1854	1-102-973-00	CERAMIC 100PF 5%	50V				
C1855	1-130-471-00	FILM 0.001MF 5%	50V				
C1856	1-137-128-91	FILM 0.022MF 5%	63V				
C1857	1-137-120-91	FILM 0.001MF 5%	63V				
C1858	1-102-228-00	CERAMIC 470PF 10%	500V				
C1859	1-124-798-11	ELECT 1MF 20%	160V				
C1860	1-137-132-91	FILM 0.1MF 5%	63V				
C1861	1-124-798-11	ELECT 1MF 20%	160V				
C1862	1-136-104-00	FILM 0.16MF 5%	200V				
C1863	1-129-765-00	FILM 0.047MF 10%	200V				
<CONNECTOR>							
CN1823*	1-573-299-11	CONNECTOR, BOARD TO BOARD	10P				
<DIODE>							
D1851	8-719-911-19	DIODE 1SS119					
D1852	8-719-911-19	DIODE 1SS119					

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VM D

REF.NO.	PART NO.	DESCRIPTION	REMARK
C1707	1-124-907-11	ELECT 10MF 20% 50V	
C1708	1-101-006-00	CERAMIC 0.047MF 50V	
C1709	1-108-704-11	MYLAR 0.1MF 10% 200V	
C1710	1-137-052-91	FILM 0.047MF 10% 400V	
C1711	1-162-318-11	CERAMIC 0.001MF 10% 500V	
C1712	1-124-799-11	ELECT 2.2MF 20% 160V	
C1713	1-162-318-11	CERAMIC 0.001MF 10% 500V	
C1714	1-137-052-91	FILM 0.047MF 10% 400V	
C1716	1-124-907-11	ELECT 10MF 20% 50V	
C1718	1-124-120-11	ELECT 220MF 20% 16V	
C1719	1-124-907-11	ELECT 10MF 20% 50V	

<CONNECTOR>

CN1819	*1-568-882-81	PIN, CONNECTOR 7P
CN1830	*1-568-878-51	PIN, CONNECTOR 3P

<DIODE>

D1701	8-719-911-19	DIODE 1SS119
D1702	8-719-911-19	DIODE 1SS119
D1703	8-719-911-19	DIODE 1SS119
D1704	8-719-982-37	DIODE MTZJ-39C
D1705	8-719-982-37	DIODE MTZJ-39C
D1706	8-719-911-19	DIODE 1SS119
D1707	8-719-911-19	DIODE 1SS119

<COIL>

L1702	1-408-418-00	INDUCTOR 56UH
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<TRANSISTOR>

Q1701	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q1702	8-729-173-38	TRANSISTOR 2SA733-K
Q1703	8-729-208-39	TRANSISTOR 2SA1306A-Y
Q1704	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q1705	8-729-208-72	TRANSISTOR 2SC3298B-Y
Q1706	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q1707	8-729-140-96	TRANSISTOR 2SD774-34
Q1708	8-729-907-06	TRANSISTOR BF199-AMMO
Q1709	8-729-255-12	TRANSISTOR 2SC2551-0

<RESISTOR>

R1701	1-249-405-11	CARBON 100 5% 1/4W
R1702	1-249-420-11	CARBON 1.8K 5% 1/4W
R1703	1-249-405-11	CARBON 100 5% 1/4W
R1704	1-249-420-11	CARBON 1.8K 5% 1/4W
R1705	1-247-736-11	CARBON 56 5% 1/2W F
R1706	1-249-414-11	CARBON 560 5% 1/4W F
R1707	1-249-412-11	CARBON 390 5% 1/4W
R1709	1-249-416-11	CARBON 820 5% 1/4W
R1710	1-249-385-11	CARBON 2.2 5% 1/4W F
R1711	1-249-432-11	CARBON 18K 5% 1/4W
R1712	1-249-435-11	CARBON 33K 5% 1/4W
R1713	1-249-438-11	CARBON 56K 5% 1/4W
R1714	1-249-429-11	CARBON 10K 5% 1/4W
R1715	1-216-476-11	METAL OXIDE 180 5% 3W F
R1716	1-249-417-11	CARBON 1K 5% 1/4W F
R1717	1-249-432-11	CARBON 18K 5% 1/4W
R1718	1-249-410-11	CARBON 270 5% 1/4W
R1719	1-249-419-11	CARBON 1.5K 5% 1/4W
R1720	1-249-441-11	CARBON 100K 5% 1/4W

REF.NO.	PART NO.	DESCRIPTION	REMARK
R1721	1-249-414-11	CARBON 560 5% 1/4W	
R1722	1-249-385-11	CARBON 2.2 5% 1/4W F	
R1723	1-249-429-11	CARBON 10K 5% 1/4W	
R1724	1-249-436-11	CARBON 39K 5% 1/4W	
R1725	1-249-417-11	CARBON 1K 5% 1/4W	
R1726	1-249-411-11	CARBON 330 5% 1/4W	
R1727	1-249-402-11	CARBON 56 5% 1/4W F	
R1729	1-216-451-11	METAL OXIDE 120 5% 2W F	
R1731	1-249-420-11	CARBON 1.8K 5% 1/4W	
R1732	1-249-426-11	CARBON 5.6K 5% 1/4W	
R1734	1-249-419-11	CARBON 1.5K 5% 1/4W	

*A-1346-074-A D BOARD, COMPLETE

4-200-001-01 HOLDER, IC
4-201-023-01 SPACER, INSULATING
*4-341-751-01 EYELET (EY40~EY47, EY51~EY57, EY60~EY64, EY67, EY69, EY70, EY73~EY75, EY77~EY84, EY87, EY89, EY92~EY95, EY100)
*4-341-752-01 EYELET (EY1~EY9, EY11~EY27, EY33)
4-382-854-11 SCREW (M3X10), P, SW (+)
4-812-134-00 RIVET NYLON, 3.5

<CAPACITOR>

C601	1-130-202-00	FILM 0.022MF 10% 400V
C603	Δ 1-164-246-51	CERAMIC 0.0022MF 20% 400V
C605	1-124-910-11	ELECT 47MF 20% 50V
C608	1-124-903-11	ELECT 1MF 20% 50V
C612	1-137-125-91	FILM 0.0068MF 5% 63V
C613	1-129-722-00	FILM 0.047MF 10% 630V
C615	1-126-943-11	ELECT 2200MF 20% 25V
C616	1-102-030-00	CERAMIC 330PF 10% 500V
C617	1-162-116-00	CERAMIC 680PF 10% 2KV
C618	1-162-134-11	CERAMIC 470PF 10% 2KV
C619	1-102-030-00	CERAMIC 330PF 10% 500V
C621	1-124-347-00	ELECT 100MF 20% 160V
C622	1-128-320-11	ELECT 2200MF 20% 16V
C623	1-102-030-00	CERAMIC 330PF 10% 500V
C624	1-126-800-51	ELECT 2200MF 20% 35V
C625	1-126-800-51	ELECT 2200MF 20% 35V
C627	1-137-124-91	FILM 0.0047MF 5% 63V
C628	1-124-910-11	ELECT 47MF 20% 50V
C629	1-124-907-11	ELECT 10MF 20% 50V
C631	1-163-075-00	CERAMIC CHIP 0.047MF 10% 25V
C632	1-137-128-91	FILM 0.022MF 5% 63V
C633	1-163-078-11	CERAMIC CHIP 0.033MF 10% 25V
C636	1-137-132-91	FILM 0.1MF 5% 63V
C640	1-126-233-11	ELECT 22MF 20% 50V
C801	1-137-116-11	FILM 1MF 5% 200V
C803	1-164-695-11	CERAMIC CHIP 0.0022MF 5% 50V
C804	1-137-130-91	FILM 0.047MF 5% 63V
C805	1-124-902-00	ELECT 0.47MF 20% 50V
C806	1-124-907-11	ELECT 10MF 20% 50V
C807	1-137-039-91	FILM 0.0015MF 10% 400V
C808	1-162-114-00	CERAMIC 0.0047MF 10% 2KV
C809	1-124-808-51	ELECT 10MF 20% 200V
C810	1-163-001-11	CERAMIC CHIP 220PF 10% 50V
C812	1-162-318-11	CERAMIC 0.001MF 10% 500V
C813	1-108-704-11	MYLAR 0.1MF 10% 200V
C815	1-162-117-00	CERAMIC 100PF 10% 500V

D

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C816	1-102-244-00	CERAMIC	220PF 10% 500V	CN0521*	1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
C819	1-126-103-11	ELECT	470MF 20% 16V	CN0522*	1-564-512-11	PLUG, CONNECTOR 9P	
C821 Δ	1-137-347-11	FILM	0.022MF 3% 2KV	CN0523	1-573-296-11	CONNECTOR, BOARD TO BOARD 10P	
C822 Δ	1-162-116-91	CERAMIC	680PF 10% 2KV	CN0524*	1-568-878-51	PIN, CONNECTOR 3P	
C823	1-124-902-00	ELECT	0.47MF 20% 50V	CN0525*	1-695-294-11	PIN, CONNECTOR (PC BOARD) 6P	
C824	1-137-122-91	FILM	0.0022MF 5% 63V	CN0526*	1-568-881-51	PIN, CONNECTOR 6P	
C825 Δ	1-162-116-91	CERAMIC	680PF 10% 2KV	CN0529*	1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P	
C826 Δ	1-137-515-61	FILM	0.056MF 3% 400V	CN5521*	1-568-878-51	PIN, CONNECTOR 3P	
C827	1-137-132-91	FILM	0.1MF 5% 63V	DY1	*1-580-798-11	CONNECTOR PIN (DY) 6P	
C828	1-137-041-91	FILM	0.0033MF 10% 400V				
C830	1-136-105-00	FILM	0.33MF 5% 200V			<DIODE>	
C831	1-123-932-00	ELECT	4.7MF 20% 160V	D602	8-719-300-33	DIODE RU-3AM	
C832	1-124-910-11	ELECT	47MF 20% 50V	D606	8-719-300-33	DIODE RU-3AM	
C833	1-137-516-11	FILM	1.2MF 5% 200V	D608	8-719-300-33	DIODE RU-3AM	
C834	1-137-114-11	FILM	0.68MF 5% 200V	D611	8-719-029-04	DIODE D5L60	
C835	1-124-480-11	ELECT	470MF 20% 25V	D612	8-719-510-09	DIODE D10SC6M	
C836	1-102-228-00	CERAMIC	470PF 10% 500V	D613	8-719-920-68	DIODE ESAB92-02	
C837	1-137-038-91	FILM	0.001MF 10% 400V	D614	8-719-920-68	DIODE ESAB92-02	
C838	1-108-704-11	MYLAR	0.1MF 10% 200V	D616	8-719-110-31	DIODE RD12ES-B2	
C839	1-123-950-00	ELECT	47MF 20% 250V	D619	8-719-400-18	DIODE MA152WK	
C840	1-124-480-11	ELECT	470MF 20% 25V	D620	8-719-911-19	DIODE 1SS119	
C841	1-102-228-00	CERAMIC	470PF 10% 500V	D624	8-719-312-40	DIODE R2K	
C842	1-137-053-91	FILM	0.068MF 10% 400V	D801	8-719-018-82	DIODE RGP02-20EL-6394	
C846	1-123-024-21	ELECT	33MF 160V	D802	8-719-300-33	DIODE RU-3AM	
C851	1-137-120-91	FILM	0.001MF 5% 63V	D804	8-719-400-18	DIODE MA152WK	
C852	1-164-299-11	CERAMIC CHIP	0.22MF 10% 25V	D808	8-719-109-88	DIODE RD5.6ES-B1	
C853	1-124-910-11	ELECT	47MF 20% 50V	D809	8-719-110-03	DIODE RD7.5ES-B2	
C854 Δ	1-162-115-91	CERAMIC	330PF 10% 2KV	D812	8-719-911-55	DIODE U05G	
C857	1-124-902-00	ELECT	0.47MF 20% 50V	D813	8-719-911-55	DIODE U05G	
C861	1-137-132-91	FILM	0.1MF 5% 63V	D814	8-719-028-29	DIODE RU30ALFS1	
C863	1-137-094-11	FILM	0.047MF 10% 100V	D815	8-719-300-33	DIODE RU-3AM	
C866	1-137-120-91	FILM	0.001MF 5% 63V	D816	8-719-979-85	DIODE EGP20G	
C869	1-137-132-91	FILM	0.1MF 5% 63V	D818	8-719-109-93	DIODE RD6.2ES-B2	
C870	1-137-120-91	FILM	0.001MF 5% 63V	D821	8-719-400-18	DIODE MA152WK	
C871	1-130-651-00	FILM	0.001MF 2% 100V	D822	8-719-982-20	DIODE MTZJ-30B	
C872	1-124-907-11	ELECT	10MF 20% 50V	D824	8-719-976-64	DIODE RGP02-17	
C873	1-137-120-91	FILM	0.001MF 5% 63V	D825	8-719-400-18	DIODE MA152WK	
C875	1-102-038-00	CERAMIC	0.001MF 5% 500V	D826	8-719-400-18	DIODE MA152WK	
C877	1-124-902-00	ELECT	0.47MF 20% 50V	D827	8-719-983-50	DIODE MTZJ-T-72-2.2A	
C878	1-164-232-11	CERAMIC CHIP	0.01MF 10% 50V	D828	8-719-911-19	DIODE 1SS119	
C1501	1-163-141-00	CERAMIC CHIP	0.001MF 5% 50V	D830	8-719-400-18	DIODE MA152WK	
C1502	1-124-903-11	ELECT	1MF 20% 50V	D831	8-719-400-18	DIODE MA152WK	
C1503	1-163-141-00	CERAMIC CHIP	0.001MF 5% 50V	D832	8-719-400-18	DIODE MA152WK	
C1504	1-124-480-11	ELECT	470MF 20% 25V	D833	8-719-400-18	DIODE MA152WK	
C1505	1-124-911-11	ELECT	220MF 20% 50V	D1501	8-719-400-18	DIODE MA152WK	
C1506	1-137-135-91	FILM	0.33MF 5% 63V	D1503	8-719-911-55	DIODE U05G	
C1507	1-137-100-91	FILM	0.15MF 10% 100V	D1504	8-719-982-03	DIODE MTZJ-3.6A	
C1508	1-124-480-11	ELECT	470MF 20% 25V			<IC>	
C1509	1-124-767-00	ELECT	2.2MF 20% 50V	IC601	8-759-073-29	IC TDA4605-3	
C1511	1-124-907-11	ELECT	10MF 20% 50V	IC602	8-759-908-15	IC TL431CLP	
C1512	1-124-006-11	ELECT	10MF 20% 25V	IC603 Δ	8-749-923-44	IC SFH617C-1	
C1513	1-163-113-00	CERAMIC CHIP	68PF 5% 50V	IC801	8-759-987-16	IC LM393P	
C1514	1-164-004-11	CERAMIC CHIP	0.1MF 10% 25V	IC802	8-759-987-16	IC LM393P	
C1515	1-164-004-11	CERAMIC CHIP	0.1MF 10% 25V	IC803	8-759-081-31	IC MC78L12ACPRP	
C1516	1-102-228-00	CERAMIC	470PF 10% 500V	IC1501	8-759-506-46	IC TDA8179S	
		<CONNECTOR>				<COIL>	
CN0009*	1-568-878-51	PIN, CONNECTOR 3P		L602	1-410-396-41	FERRITE BEAD INDUCTOR	
CN0010*	1-568-877-51	PIN, CONNECTOR 2P					
CN0504*	1-568-882-51	PIN, CONNECTOR 7P					
CN0505*	1-568-880-51	PIN, CONNECTOR 5P					
CN0506*	1-568-880-61	PIN, CONNECTOR 5P					
CN0519*	1-568-878-51	PIN, CONNECTOR 3P					

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D

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
L604	1-410-396-41	FERRITE BEAD INDUCTOR		JR510	1-216-296-00	METAL GLAZE	0 5% 1/8W
L605	1-459-442-00	COIL (WITH CORE)		JR511	1-216-296-00	METAL GLAZE	0 5% 1/8W
L606	1-459-442-00	COIL (WITH CORE)		JW208	1-217-587-00	RES. SHORT	0.01 1/4W
L609	1-410-396-41	FERRITE BEAD INDUCTOR		R601	1-216-353-00	METAL OXIDE	2.2 5% 1W F
L622	1-412-533-21	INDUCTOR 47UH		R602	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
L623	1-412-533-21	INDUCTOR 47UH		R603	1-215-901-00	METAL OXIDE	33K 5% 2W F
L802	1-408-947-00	INDUCTOR 2.2MMH		R604	1-247-885-00	CARBON	180K 5% 1/4W
L803	1-420-872-00	COIL, AIR CORE		R605	1-216-313-00	METAL GLAZE	8.2 5% 1/10W
L807	1-459-483-00	COIL (WITH CORE)		R606	1-216-033-00	METAL GLAZE	220 5% 1/10W
L808	1-421-541-00	COIL, CHOKE 1000UH		R607	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
L809	1-459-111-00	COIL, DRAM CORE (CDI)		R608	1-215-928-11	METAL OXIDE	68K 5% 3W F
L810	1-460-197-11	COIL, FERRITE (PMC)		R609	1-216-005-00	METAL GLAZE	15 5% 1/10W
L811	1-412-519-11	INDUCTOR 3.3UH		R610	1-247-885-00	CARBON	180K 5% 1/4W
L812	1-412-531-31	INDUCTOR 33UH		R611	1-249-405-11	CARBON	100 5% 1/4W
L813	1-412-519-11	INDUCTOR 3.3UH		R612	1-247-894-11	CARBON	430K 5% 1/4W
L817	1-423-374-11	TRANSFORMER, LINEARITY (HLT)		R613	1-216-260-00	METAL GLAZE	390K 5% 1/8W
L1501	1-412-525-21	INDUCTOR 10UH		R614	1-216-487-11	METAL OXIDE	12K 5% 3W F
L1502	1-412-525-21	INDUCTOR 10UH		R615	1-216-487-11	METAL OXIDE	12K 5% 3W F
L1503	1-412-525-21	INDUCTOR 10UH		R617	1-216-033-00	METAL GLAZE	220 5% 1/10W
<IC LINK>				R618	1-216-449-11	METAL OXIDE	56 5% 2W F
PS601A	1-532-686-91	LINK, IC 2.7A		R620	1-216-045-00	METAL GLAZE	680 5% 1/10W
PS602A	1-532-686-91	LINK, IC 2.7A		R621	1-216-659-11	METAL CHIP	2.2K 0.50% 1/10W
PS603A	1-532-686-91	LINK, IC 2.7A		R622	1-216-041-00	METAL GLAZE	470 5% 1/10W
PS604A	1-532-686-91	LINK, IC 2.7A		R623	1-216-073-00	METAL GLAZE	10K 5% 1/10W
<TRANSISTOR>				R625	1-216-449-11	METAL OXIDE	56 5% 2W F
Q601	8-729-016-14	TRANSISTOR BUZ91A-E3155		R626	1-216-635-11	METAL CHIP	220 0.50% 1/10W
Q602	8-729-177-22	TRANSISTOR 2SB772-Q		R627	1-249-398-11	CARBON	27 5% 1/4W F
Q603	8-729-900-53	TRANSISTOR DTC114EK		R628	1-215-464-00	METAL	62K 1% 1/4W
Q610	8-729-216-22	TRANSISTOR 2SA1162-G		R629	1-215-464-00	METAL	62K 1% 1/4W
Q611	8-729-119-78	TRANSISTOR 2SC2785-HFE		R630	1-216-045-00	METAL GLAZE	680 5% 1/10W
Q801	8-729-016-32	TRANSISTOR 2SC4927-01		R631	1-216-397-11	METAL OXIDE	4.7 5% 3W F
Q802	8-729-140-97	TRANSISTOR 2SB734-34		R633	1-249-415-11	CARBON	680 5% 1/4W
Q804	8-729-216-22	TRANSISTOR 2SA1162-G		R634	1-215-477-00	METAL	220K 1% 1/4W
Q805	8-729-216-22	TRANSISTOR 2SA1162-G		R635	1-216-073-00	METAL GLAZE	10K 5% 1/10W
Q806	8-729-011-00	TRANSISTOR 2SK1916-53F87		R636	1-216-452-11	METAL OXIDE	180 5% 2W F
Q807	8-729-119-80	TRANSISTOR 2SC2688-LK		R637	1-216-113-00	METAL GLAZE	470K 5% 1/10W
Q812	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R638	1-216-073-00	METAL GLAZE	10K 5% 1/10W
Q813	8-729-140-96	TRANSISTOR 2SD774-34		R639	1-216-089-00	METAL GLAZE	47K 5% 1/10W
Q818	8-729-216-22	TRANSISTOR 2SA1162-G		R640	1-207-905-00	WIREWOUND	0.27 10% 2W F
Q1501	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R651	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
Q1502	8-729-901-01	TRANSISTOR DTC144EK		R801	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
Q1503	8-729-216-22	TRANSISTOR 2SA1162-G		R804	1-217-778-11	FUSIBLE	1K 5% 1W F
Q1504	8-729-901-01	TRANSISTOR DTC144EK		R805	1-216-679-11	METAL CHIP	15K 0.50% 1/10W
<RESISTOR>				R806	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
JR001	1-216-295-00	METAL GLAZE	0 5% 1/10W	R807	1-216-037-00	METAL GLAZE	330 5% 1/10W
JR002	1-216-295-00	METAL GLAZE	0 5% 1/10W	R808	1-216-085-00	METAL GLAZE	33K 5% 1/10W
JR003	1-216-295-00	METAL GLAZE	0 5% 1/10W	R809	1-216-097-00	METAL GLAZE	100K 5% 1/10W
JR004	1-216-295-00	METAL GLAZE	0 5% 1/10W	R811	1-216-033-00	METAL GLAZE	220 5% 1/10W
JR005	1-216-295-00	METAL GLAZE	0 5% 1/10W	R812	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
JR500	1-216-296-00	METAL GLAZE	0 5% 1/8W	R813	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
JR501	1-216-296-00	METAL GLAZE	0 5% 1/8W	R814	1-216-091-00	METAL GLAZE	56K 5% 1/10W
JR502	1-216-296-00	METAL GLAZE	0 5% 1/8W	R815	1-216-081-00	METAL GLAZE	22K 5% 1/10W
JR503	1-216-296-00	METAL GLAZE	0 5% 1/8W	R819	1-247-755-11	CARBON	1.8K 5% 1/2W F
JR504	1-216-296-00	METAL GLAZE	0 5% 1/8W	R820	1-216-097-00	METAL GLAZE	100K 5% 1/10W
JR505	1-216-296-00	METAL GLAZE	0 5% 1/8W	R821	1-216-481-11	METAL OXIDE	1.2K 5% 3W F
JR506	1-216-296-00	METAL GLAZE	0 5% 1/8W	R822	1-216-481-11	METAL OXIDE	1.2K 5% 3W F
JR507	1-216-296-00	METAL GLAZE	0 5% 1/8W	R823	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
JR508	1-216-296-00	METAL GLAZE	0 5% 1/8W	R824	1-216-673-11	METAL CHIP	8.2K 0.50% 1/10W
JR509	1-216-296-00	METAL GLAZE	0 5% 1/8W	R825	1-216-342-11	METAL OXIDE	0.27 5% 1W F
				R826	1-216-166-00	METAL GLAZE	47 5% 1/8W
				R828	1-216-121-00	METAL GLAZE	1M 5% 1/10W
				R829	1-249-429-11	CARBON	10K 5% 1/4W F
				R830	1-216-687-11	METAL CHIP	33K 0.50% 1/10W



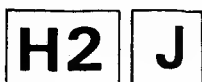
Les composants identifiés par
une trame et une marque Δ
sont critiques pour la sécurité.
Ne les remplacer que par une
pièce portant le numéro spécifique.

The components identified by
shading and mark Δ are critical
for safety.
Replace only with part number
specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R832	1-216-089-00	METAL GLAZE	47K 5% 1/10W	T804	1-424-584-11	TRANSFORMER, DYNAMIC FOCUS	
R833	1-216-105-00	METAL GLAZE	220K 5% 1/10W	*****			
R834	1-216-113-00	METAL GLAZE	470K 5% 1/10W	*A-1347-069-A	V BOARD, COMPLETE		
R835	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	*****			
R836	1-216-242-00	METAL GLAZE	68K 5% 1/8W	<CAPACITOR>			
R837	1-216-695-11	METAL CHIP	68K 0.50% 1/10W	C01	1-126-233-11	ELECT 22MF	20% 50V
R838	1-216-101-00	METAL GLAZE	150K 5% 1/10W	C02	1-163-038-00	CERAMIC CHIP 0.1MF	25V
R839	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	C03	1-163-038-00	CERAMIC CHIP 0.1MF	25V
R840	1-216-264-00	METAL GLAZE	560K 5% 1/8W	C04	1-126-233-11	ELECT 22MF	20% 50V
R841	1-249-397-11	CARBON	22 5% 1/4W F	C05	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
R842	1-216-454-11	METAL OXIDE	390 5% 2W F	C06	1-124-120-11	ELECT 220MF	20% 16V
R846	1-216-671-11	METAL CHIP	6.8K 0.50% 1/10W	C07	1-124-903-11	ELECT 1MF	20% 50V
R847	1-216-097-00	METAL GLAZE	100K 5% 1/10W	C08	1-163-097-00	CERAMIC CHIP 15PF	5% 50V
R848	1-215-885-00	METAL OXIDE	68 5% 2W F	C09	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
R849	1-215-881-11	METAL OXIDE	15 5% 2W F	C10	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
R851	1-247-743-11	CARBON	220 5% 1/2W F	C11	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
R852	1-249-389-11	CARBON	4.7 5% 1/4W F	C12	1-163-127-00	CERAMIC CHIP 270PF	5% 50V
R853	1-249-443-11	CARBON	0.47 5% 1/4W F	C13	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
R854	1-249-377-11	CARBON	0.47 5% 1/4W F	C14	1-163-097-00	CERAMIC CHIP 15PF	5% 50V
R858	1-249-423-11	CARBON	3.3K 5% 1/4W	C15	1-163-103-00	CERAMIC CHIP 27PF	5% 50V
R859	1-215-887-00	METAL OXIDE	150 5% 2W F	C16	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
R864	1-216-687-11	METAL CHIP	33K 0.50% 1/10W	C17	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
R865	1-215-493-00	METAL	1M 1% 1/4W	C18	1-163-093-00	CERAMIC CHIP 10PF	5% 50V
R866	1-216-687-11	METAL CHIP	33K 0.50% 1/10W	C19	1-163-089-00	CERAMIC CHIP 6PF	0.25PF 50V
R867	1-216-113-00	METAL GLAZE	470K 5% 1/10W	C20	1-163-125-00	CERAMIC CHIP 220PF	5% 50V
R868	1-249-428-11	CARBON	8.2K 5% 1/4W	C21	1-163-833-00	CERAMIC CHIP 0.068MF	25V
R871	1-249-493-11	CARBON	56K 5% 1/2W	C22	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
R872	1-249-393-11	CARBON	10 5% 1/4W F	C23	1-163-210-00	CERAMIC CHIP 0.0016MF	5% 50V
R873	1-249-393-11	CARBON	10 5% 1/4W F	C24	1-164-505-11	CERAMIC CHIP 2.2MF	16V
R876	1-249-421-11	CARBON	2.2K 5% 1/4W	C25	1-164-505-11	CERAMIC CHIP 2.2MF	16V
R877	1-215-907-11	METAL OXIDE	22 5% 3W F	C26	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
R884	1-216-697-11	METAL CHIP	82K 0.50% 1/10W	C28	1-163-137-00	CERAMIC CHIP 680PF	5% 50V
R889	1-216-089-00	METAL GLAZE	47K 5% 1/10W	C30	1-137-033-11	FILM 0.33MF	10% 100V
R891	1-216-089-00	METAL GLAZE	47K 5% 1/10W	C32	1-163-038-00	CERAMIC CHIP 0.1MF	25V
R893	1-215-878-00	METAL OXIDE	33K 5% 1W F	C33	1-124-910-11	ELECT 47MF	20% 50V
R894	1-216-264-00	METAL GLAZE	560K 5% 1/8W	C34	1-124-907-11	ELECT 10MF	20% 50V
R895	1-216-079-00	METAL GLAZE	18K 5% 1/10W	C35	1-163-243-11	CERAMIC CHIP 47PF	5% 50V
R897	1-216-089-00	METAL GLAZE	47K 5% 1/10W	C36	1-163-239-11	CERAMIC CHIP 33PF	5% 50V
R898	1-216-262-00	METAL GLAZE	470K 5% 1/8W	C37	1-216-295-00	METAL GLAZE 0	5% 1/10W
R1501	1-216-674-11	METAL CHIP	9.1K 0.50% 1/10W	C39	1-163-135-00	CERAMIC CHIP 560PF	5% 50V
R1502	1-216-663-11	METAL CHIP	3.3K 0.50% 1/10W	C40	1-163-263-11	CERAMIC CHIP 330PF	5% 50V
R1503	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	C53	1-163-038-00	CERAMIC CHIP 0.1MF	25V
R1504	1-216-081-00	METAL GLAZE	22K 5% 1/10W	C54	1-163-038-00	CERAMIC CHIP 0.1MF	25V
R1505	1-216-081-00	METAL GLAZE	22K 5% 1/10W	<CONNECTOR>			
R1506	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	CN1737*1-564-511-11	PLUG, CONNECTOR 8P		
R1508	1-216-683-11	METAL CHIP	22K 0.50% 1/10W	CN1741*1-564-511-11	PLUG, CONNECTOR 8P		
R1509	1-216-085-00	METAL GLAZE	33K 5% 1/10W	<TRIMMER>			
R1510	1-249-382-11	CARBON	1.2 5% 1/4W F	CT01	1-141-418-11	CAP, ADJ	
R1511	1-215-888-00	METAL OXIDE	220 5% 2W F	<DIODE>			
R1512	1-216-370-11	METAL OXIDE	1.2 5% 2W F	D01	8-719-400-18	DIODE MA152WK	
R1514	1-216-049-00	METAL GLAZE	1K 5% 1/10W	D03	8-719-104-34	DIODE 1S2836	
R1550	1-216-105-00	METAL GLAZE	220K 5% 1/10W	D04	8-719-104-34	DIODE 1S2836	
R1551	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	D09	8-719-400-18	DIODE MA152WK	
R1552	1-216-105-00	METAL GLAZE	220K 5% 1/10W	D10	8-719-400-18	DIODE MA152WK	
<VARIABLE RESISTOR>							
RV601	1-241-628-11	RES, ADJ, CARBON 2.2K					
<TRANSFORMER>							
T601	1-697-001-11	S.R.T (SMT89)					
T801	1-439-524-11	TRANSFORMER ASSY, FLYBACK (NX-3000A2)					
T803	1-437-090-00	HDT					



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
D11	8-719-400-18	DIODE MA152WK		R34	1-216-081-00	METAL GLAZE 22K 5%	1/10W
D12	8-719-400-18	DIODE MA152WK		R35	1-216-081-00	METAL GLAZE 22K 5%	1/10W
<IC>				R36	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
IC01	8-759-073-28	IC SDA5248C1		R37	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
IC02	8-759-037-64	IC SDA5231-2		R38	1-218-773-11	METAL CHIP 750K 0.50%	1/10W
IC03	8-759-146-48	IC UPD424256C-80		R39	1-216-103-00	METAL CHIP 180K 0.50%	1/10W
IC04	8-752-353-39	IC CXD1050A-15P		R40	1-216-043-00	METAL GLAZE 560 5%	1/10W
IC05	8-759-987-16	IC LM393P		R41	1-216-033-00	METAL GLAZE 220 5%	1/10W
<COIL>				R42	1-216-033-00	METAL GLAZE 220 5%	1/10W
L01	1-408-411-00	INDUCTOR 15UH		R43	1-216-033-00	METAL GLAZE 220 5%	1/10W
L02	1-408-414-00	INDUCTOR 27UH		R44	1-216-033-00	METAL GLAZE 220 5%	1/10W
L03	1-408-417-00	INDUCTOR 47UH		R46	1-216-073-00	METAL GLAZE 10K 5%	1/10W
L04	1-408-413-00	INDUCTOR 22UH		R47	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
L05	1-408-409-00	INDUCTOR 10UH		R48	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W
<TRANSISTOR>				R49	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W
Q01	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R50	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W
Q03	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R54	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q04	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R55	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W
Q06	8-729-120-28	TRANSISTOR 2SC1623-L5L6		<CRYSTAL>			
Q07	8-729-120-28	TRANSISTOR 2SC1623-L5L6		X02	1-567-495-11	OSCILLATOR, CRYSTAL	
Q08	8-729-216-22	TRANSISTOR 2SA1162-G		*****			
Q09	8-729-120-28	TRANSISTOR 2SC1623-L5L6		*1-643-004-11	H1 BOARD		
Q10	8-729-120-28	TRANSISTOR 2SC1623-L5L6		*****			
Q11	8-729-120-28	TRANSISTOR 2SC1623-L5L6		<CAPACITOR>			
Q12	8-729-901-00	TRANSISTOR DTC124EK		C083	1-163-037-11	CERAMIC CHIP 0.022MF 10%	25V
<RESISTOR>				C087	1-163-037-11	CERAMIC CHIP 0.022MF 10%	25V
JR02	1-216-295-00	METAL GLAZE 0 5%	1/10W	<CONNECTOR>			
R01	1-216-025-00	METAL GLAZE 100 5%	1/10W	CN1008*1-564-516-11	PLUG, CONNECTOR 13P		
R02	1-216-025-00	METAL GLAZE 100 5%	1/10W	<JACK>			
R03	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W	J81	1-568-678-11	TERMINAL BLOCK, S 3P	
R04	1-216-049-00	METAL GLAZE 1K 5%	1/10W	J82	1-562-837-11	JACK	
R05	1-216-041-00	METAL GLAZE 470 5%	1/10W	<COIL>			
R06	1-216-029-00	METAL GLAZE 150 5%	1/10W	L081	1-408-409-00	INDUCTOR 10UH	
R07	1-216-041-00	METAL GLAZE 470 5%	1/10W	L082	1-408-409-00	INDUCTOR 10UH	
R08	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W	<RESISTOR>			
R09	1-216-091-00	METAL GLAZE 56K 5%	1/10W	JR020	1-216-295-00	METAL GLAZE 0 5%	1/10W
R10	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	JR021	1-216-295-00	METAL GLAZE 0 5%	1/10W
R11	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	R081	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R12	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	R082	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R13	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R083	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R15	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W	R084	1-249-419-11	CARBON 1.5K 5%	1/10W
R16	1-216-033-00	METAL GLAZE 220 5%	1/10W	R085	1-249-419-11	CARBON 1.5K 5%	1/10W
R17	1-216-033-00	METAL GLAZE 220 5%	1/10W	<SWITCH>			
R20	1-216-049-00	METAL GLAZE 1K 5%	1/10W	S081	1-571-532-21	SWITCH, TACTIL	
R21	1-216-049-00	METAL GLAZE 1K 5%	1/10W	S082	1-571-532-21	SWITCH, TACTIL	
R22	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	S083	1-571-532-21	SWITCH, TACTIL	
R23	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	*****			
R24	1-216-091-00	METAL GLAZE 56K 5%	1/10W				
R25	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W				
R26	1-216-089-00	METAL GLAZE 47K 5%	1/10W				
R27	1-216-043-00	METAL GLAZE 560 5%	1/10W				
R28	1-216-043-00	METAL GLAZE 560 5%	1/10W				
R29	1-216-043-00	METAL GLAZE 560 5%	1/10W				
R30	1-216-037-00	METAL GLAZE 330 5%	1/10W				
R31	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W				
R32	1-216-073-00	METAL GLAZE 10K 5%	1/10W				
R33	1-216-017-00	METAL GLAZE 47 5%	1/10W				



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
	*1-642-997-11	H2 BOARD *****		C930	1-124-477-11	ELECT 47MF	20% 16V
	*4-201-076-01	HOLDER, LED		C931	1-164-346-11	CERAMIC CHIP 1MF	16V
	*4-374-987-01	GUIDE, LIGHT		C932	1-164-346-11	CERAMIC CHIP 1MF	16V
	*4-381-686-01	BRACKET (B), LIGHT GUIDE		C933	1-124-477-11	ELECT 47MF	20% 16V
				C934	1-124-477-11	ELECT 47MF	20% 16V
				C935	1-124-477-11	ELECT 47MF	20% 16V
				C936	1-164-346-11	CERAMIC CHIP 1MF	16V
		<CONNECTOR>		C937	1-164-346-11	CERAMIC CHIP 1MF	16V
	CN1132*1-568-882-51	PIN, CONNECTOR 7P		C938	1-124-477-11	ELECT 47MF	20% 16V
		<DIODE>				<CONNECTOR>	
D092	8-719-948-31	DIODE LD-201VR		CN1209	1-695-302-11	CONNECTOR, BOARD TO BOARD 50P	
D093	8-719-948-31	DIODE LD-201VR		CN1210*1-564-522-11	PLUG, CONNECTOR 7P		
D094	8-719-948-31	DIODE LD-201VR		CN1233*1-564-518-11	PLUG, CONNECTOR 3P		
		<IC>		CN1240*1-564-518-11	PLUG, CONNECTOR 3P		
IC091	8-741-101-75	IC SBX1610-11				<DIODE>	
		<RESISTOR>		D901	8-719-921-69	DIODE MTZJ-9.1	
R091	1-249-413-11	CARBON 470 5% 1/4W		D902	8-719-921-69	DIODE MTZJ-9.1	
		*****		D903	8-719-921-69	DIODE MTZJ-9.1	
	*A-1388-145-A	J BOARD, COMPLETE *****		D904	8-719-921-69	DIODE MTZJ-9.1	
		<CAPACITOR>		D905	8-719-921-69	DIODE MTZJ-9.1	
C281	1-124-442-00	ELECT 330MF 20% 6.3V		D906	8-719-921-69	DIODE MTZJ-9.1	
C291	1-101-005-00	CERAMIC 0.022MF 50V		D907	8-719-921-69	DIODE MTZJ-9.1	
C292	1-101-005-00	CERAMIC 0.022MF 50V		D908	8-719-921-69	DIODE MTZJ-9.1	
C295	1-163-009-11	CERAMIC CHIP 0.001MF 10% 50V		D909	8-719-921-69	DIODE MTZJ-9.1	
C296	1-163-009-11	CERAMIC CHIP 0.001MF 10% 50V		D910	8-719-921-69	DIODE MTZJ-9.1	
C901	1-163-017-00	CERAMIC CHIP 0.0047MF 10% 50V		D911	8-719-921-69	DIODE MTZJ-9.1	
C902	1-163-017-00	CERAMIC CHIP 0.0047MF 10% 50V		D912	8-719-921-69	DIODE MTZJ-9.1	
C904	1-163-133-00	CERAMIC CHIP 470PF 5% 50V		D913	8-719-921-69	DIODE MTZJ-9.1	
C905	1-163-133-00	CERAMIC CHIP 470PF 5% 50V		D914	8-719-921-69	DIODE MTZJ-9.1	
C906	1-101-004-00	CERAMIC 0.01MF 50V		D915	8-719-921-69	DIODE MTZJ-9.1	
C907	1-163-133-00	CERAMIC CHIP 470PF 5% 50V		D916	8-719-921-69	DIODE MTZJ-9.1	
C908	1-163-133-00	CERAMIC CHIP 470PF 5% 50V		D917	8-719-921-69	DIODE MTZJ-9.1	
C909	1-101-004-00	CERAMIC 0.01MF 50V		D918	8-719-921-69	DIODE MTZJ-9.1	
C910	1-163-017-00	CERAMIC CHIP 0.0047MF 10% 50V		D919	8-719-921-69	DIODE MTZJ-9.1	
C911	1-163-017-00	CERAMIC CHIP 0.0047MF 10% 50V		D920	8-719-921-69	DIODE MTZJ-9.1	
C912	1-163-133-00	CERAMIC CHIP 470PF 5% 50V		D921	8-719-921-69	DIODE MTZJ-9.1	
C913	1-163-133-00	CERAMIC CHIP 470PF 5% 50V		D922	8-719-921-69	DIODE MTZJ-9.1	
C914	1-163-121-00	CERAMIC CHIP 150PF 5% 50V		D923	8-719-921-69	DIODE MTZJ-9.1	
C915	1-163-121-00	CERAMIC CHIP 150PF 5% 50V		D924	8-719-921-69	DIODE MTZJ-9.1	
C916	1-163-017-00	CERAMIC CHIP 0.0047MF 10% 50V		D925	8-719-921-69	DIODE MTZJ-9.1	
C917	1-163-017-00	CERAMIC CHIP 0.0047MF 10% 50V		D926	8-719-921-69	DIODE MTZJ-9.1	
C918	1-163-133-00	CERAMIC CHIP 470PF 5% 50V		D927	8-719-921-69	DIODE MTZJ-9.1	
C919	1-163-133-00	CERAMIC CHIP 470PF 5% 50V		D928	8-719-921-69	DIODE MTZJ-9.1	
C920	1-163-017-00	CERAMIC CHIP 0.0047MF 10% 50V				<JACK>	
C921	1-163-017-00	CERAMIC CHIP 0.0047MF 10% 50V		J291	1-536-996-21	TERMINAL BOARD, INPUT/OUTPUT	
C922	1-124-477-11	ELECT 47MF 20% 16V		J901	1-695-296-11	TERMINAL BLOCK, S	
C923	1-164-346-11	CERAMIC CHIP 1MF 16V		J903	1-561-534-41	SOCKET 21P	
C924	1-124-477-11	ELECT 47MF 20% 16V		J904	1-695-296-11	TERMINAL BLOCK, S	
C925	1-124-477-11	ELECT 47MF 20% 16V		J905	1-695-293-11	SOCKET 21P	
C926	1-164-346-11	CERAMIC CHIP 1MF 16V		J906	1-695-296-11	TERMINAL BLOCK, S	
C927	1-124-477-11	ELECT 47MF 20% 16V		J907	1-695-293-11	SOCKET 21P	
C928	1-124-477-11	ELECT 47MF 20% 16V				<COIL>	
C929	1-124-477-11	ELECT 47MF 20% 16V		L291	1-402-711-11	INDUCTOR, WIDEBAND	
				L292	1-402-711-11	INDUCTOR, WIDEBAND	



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<TRANSISTOR>				R923	1-216-039-00	METAL GLAZE	390 5% 1/10W
Q281	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R924	1-216-039-00	METAL GLAZE	390 5% 1/10W
Q282	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R925	1-216-089-00	METAL GLAZE	47K 5% 1/10W
Q283	8-729-216-22	TRANSISTOR 2SA1162-G		R926	1-216-039-00	METAL GLAZE	390 5% 1/10W
<RESISTOR>				R927	1-216-039-00	METAL GLAZE	390 5% 1/10W
JR201	1-216-296-00	METAL GLAZE	0 5% 1/8W	R928	1-216-089-00	METAL GLAZE	47K 5% 1/10W
JR901	1-216-295-00	METAL GLAZE	0 5% 1/10W	R929	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
JR905	1-216-296-00	METAL GLAZE	0 5% 1/8W	R930	1-216-113-00	METAL GLAZE	470K 5% 1/10W
JR906	1-216-295-00	METAL GLAZE	0 5% 1/10W	R931	1-216-216-00	METAL GLAZE	5.6K 5% 1/8W
JR909	1-216-296-00	METAL GLAZE	0 5% 1/8W	R932	1-216-113-00	METAL GLAZE	470K 5% 1/10W
JR910	1-216-296-00	METAL GLAZE	0 5% 1/8W	R933	1-216-073-00	METAL GLAZE	10K 5% 1/10W
JR911	1-216-296-00	METAL GLAZE	0 5% 1/8W	R934	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
JR915	1-216-295-00	METAL GLAZE	0 5% 1/10W	R935	1-216-022-00	METAL GLAZE	75 5% 1/10W
JR917	1-216-296-00	METAL GLAZE	0 5% 1/8W	R936	1-216-022-00	METAL GLAZE	75 5% 1/10W
JR918	1-216-295-00	METAL GLAZE	0 5% 1/10W	R937	1-216-113-00	METAL GLAZE	470K 5% 1/10W
JR919	1-216-296-00	METAL GLAZE	0 5% 1/8W	R938	1-216-039-00	METAL GLAZE	390 5% 1/10W
JR920	1-216-295-00	METAL GLAZE	0 5% 1/10W	R939	1-216-188-00	METAL GLAZE	390 5% 1/8W
JR921	1-216-295-00	METAL GLAZE	0 5% 1/10W	R940	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
JR923	1-216-296-00	METAL GLAZE	0 5% 1/8W	R941	1-216-113-00	METAL GLAZE	470K 5% 1/10W
JR924	1-216-296-00	METAL GLAZE	0 5% 1/8W	R942	1-216-188-00	METAL GLAZE	390 5% 1/8W
JR926	1-216-296-00	METAL GLAZE	0 5% 1/8W	R943	1-216-089-00	METAL GLAZE	47K 5% 1/10W
JR927	1-216-296-00	METAL GLAZE	0 5% 1/8W	R944	1-216-188-00	METAL GLAZE	390 5% 1/8W
JR928	1-216-296-00	METAL GLAZE	0 5% 1/8W	R945	1-216-089-00	METAL GLAZE	47K 5% 1/10W
JR935	1-216-296-00	METAL GLAZE	0 5% 1/8W	R946	1-216-022-00	METAL GLAZE	75 5% 1/10W
JR939	1-216-295-00	METAL GLAZE	0 5% 1/10W	R947	1-216-022-00	METAL GLAZE	75 5% 1/10W
JR940	1-216-295-00	METAL GLAZE	0 5% 1/10W	R948	1-216-073-00	METAL GLAZE	10K 5% 1/10W
JR942	1-216-296-00	METAL GLAZE	0 5% 1/8W	R949	1-216-113-00	METAL GLAZE	470K 5% 1/10W
JR944	1-216-295-00	METAL GLAZE	0 5% 1/10W	R950	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
JR946	1-216-296-00	METAL GLAZE	0 5% 1/8W	R951	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
JR947	1-216-295-00	METAL GLAZE	0 5% 1/10W	R952	1-216-113-00	METAL GLAZE	470K 5% 1/10W
JR952	1-216-296-00	METAL GLAZE	0 5% 1/8W	R953	1-216-188-00	METAL GLAZE	390 5% 1/8W
JR954	1-216-295-00	METAL GLAZE	0 5% 1/10W	R954	1-216-039-00	METAL GLAZE	390 5% 1/10W
JR955	1-216-296-00	METAL GLAZE	0 5% 1/8W	R955	1-216-039-00	METAL GLAZE	390 5% 1/10W
R283	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R956	1-216-089-00	METAL GLAZE	47K 5% 1/10W
R284	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R957	1-216-039-00	METAL GLAZE	390 5% 1/10W
R286	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R958	1-216-089-00	METAL GLAZE	47K 5% 1/10W
R287	1-216-216-00	METAL GLAZE	5.6K 5% 1/8W	R959	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R288	1-216-216-00	METAL GLAZE	5.6K 5% 1/8W	R960	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R289	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W	R961	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R291	1-249-413-11	CARBON	470 5% 1/4W	*****			
R292	1-249-413-11	CARBON	470 5% 1/4W	*A-1622-005-A P BOARD, COMPLETE			
R901	1-216-039-00	METAL GLAZE	390 5% 1/10W	*****			
R902	1-216-039-00	METAL GLAZE	390 5% 1/10W	<CAPACITOR>			
R903	1-216-113-00	METAL GLAZE	470K 5% 1/10W	C1401	1-163-038-00	CERAMIC CHIP 0.1MF	25V
R904	1-216-113-00	METAL GLAZE	470K 5% 1/10W	C1402	1-163-038-00	CERAMIC CHIP 0.1MF	25V
R905	1-216-188-00	METAL GLAZE	390 5% 1/8W	C1403	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
R906	1-216-039-00	METAL GLAZE	390 5% 1/10W	C1404	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
R907	1-216-171-00	METAL GLAZE	75 5% 1/8W	C1405	1-163-097-00	CERAMIC CHIP 15PF	5% 50V
R908	1-216-171-00	METAL GLAZE	75 5% 1/8W	C1406	1-163-097-00	CERAMIC CHIP 15PF	5% 50V
R909	1-216-113-00	METAL GLAZE	470K 5% 1/10W	C1407	1-163-038-00	CERAMIC CHIP 0.1MF	25V
R910	1-216-113-00	METAL GLAZE	470K 5% 1/10W	C1408	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
R911	1-216-022-00	METAL GLAZE	75 5% 1/10W	C1409	1-124-903-11	ELECT 1MF	20% 50V
R913	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W	C1410	1-163-038-00	CERAMIC CHIP 0.1MF	25V
R914	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W	C1411	1-163-038-00	CERAMIC CHIP 0.1MF	25V
R915	1-216-113-00	METAL GLAZE	470K 5% 1/10W	C1412	1-163-038-00	CERAMIC CHIP 0.1MF	25V
R916	1-216-113-00	METAL GLAZE	470K 5% 1/10W	C1414	1-163-121-00	CERAMIC CHIP 150PF	5% 50V
R917	1-216-022-00	METAL GLAZE	75 5% 1/10W	C1416	1-163-129-00	CERAMIC CHIP 330PF	5% 50V
R919	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W	C1417	1-163-129-00	CERAMIC CHIP 330PF	5% 50V
R920	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W	C1419	1-164-005-11	CERAMIC CHIP 0.47MF	25V
R921	1-216-022-00	METAL GLAZE	75 5% 1/10W	C1420	1-163-038-00	CERAMIC CHIP 0.1MF	25V
R922	1-216-222-00	METAL GLAZE	10K 5% 1/8W	C1421	1-163-038-00	CERAMIC CHIP 0.1MF	25V

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C1422	1-163-038-00	CERAMIC CHIP 0.1MF	25V	FL1408	1-236-071-11	ENCAPSULATED COMPONENT	
C1423	1-163-038-00	CERAMIC CHIP 0.1MF	25V			<IC>	
C1424	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	IC1401	8-759-073-16	IC TDA9160	
C1425	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	IC1402	8-759-510-48	IC TDA4660T	
C1426	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	IC1403	8-759-055-51	IC SDA9087XGEG	
C1427	1-126-233-11	ELECT 22MF	20% 50V	IC1404	8-759-055-52	IC SDA9089XGEG	
C1428	1-163-038-00	CERAMIC CHIP 0.1MF	25V	IC1405	8-759-046-27	IC SDA9086-3	
C1430	1-163-038-00	CERAMIC CHIP 0.1MF	25V	IC1406	8-759-504-21	IC TDA8443A/C4	
C1431	1-163-031-11	CERAMIC CHIP 0.01MF	50V	IC1410	8-759-037-45	IC MC78L08ACPRP	
C1432	1-163-031-11	CERAMIC CHIP 0.01MF	50V	IC1411	8-759-081-30	IC MC78L05ACPRP	
C1433	1-163-031-11	CERAMIC CHIP 0.01MF	50V			<COIL>	
C1434	1-163-038-00	CERAMIC CHIP 0.1MF	25V	L1401	1-408-418-00	INDUCTOR 56UH	
C1435	1-163-038-00	CERAMIC CHIP 0.1MF	25V	L1405	1-408-407-00	INDUCTOR 6.8UH	
C1436	1-163-038-00	CERAMIC CHIP 0.1MF	25V	L1406	1-408-407-00	INDUCTOR 6.8UH	
C1437	1-164-343-11	CERAMIC CHIP 0.056MF	10% 25V			<TRANSISTOR>	
C1438	1-163-005-11	CERAMIC CHIP 470PF	10% 50V	Q1401	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C1441	1-164-005-11	CERAMIC CHIP 0.47MF	25V	Q1402	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C1442	1-164-005-11	CERAMIC CHIP 0.47MF	25V	Q1403	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C1443	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	Q1404	8-729-216-22	TRANSISTOR 2SA1162-G	
C1444	1-164-005-11	CERAMIC CHIP 0.47MF	25V	Q1405	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C1445	1-164-005-11	CERAMIC CHIP 0.47MF	25V	Q1406	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C1446	1-164-005-11	CERAMIC CHIP 0.47MF	25V	Q1407	8-729-216-22	TRANSISTOR 2SA1162-G	
C1447	1-163-038-00	CERAMIC CHIP 0.1MF	25V	Q1408	8-729-216-22	TRANSISTOR 2SA1162-G	
C1448	1-164-222-11	CERAMIC CHIP 0.22MF	25V	Q1409	8-729-216-22	TRANSISTOR 2SA1162-G	
C1449	1-163-257-11	CERAMIC CHIP 180PF	5% 50V	Q1413	8-729-216-22	TRANSISTOR 2SA1162-G	
C1450	1-164-005-11	CERAMIC CHIP 0.47MF	25V	Q1414	8-729-900-53	TRANSISTOR DTC114EK	
C1452	1-163-038-00	CERAMIC CHIP 0.1MF	25V	Q1415	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C1453	1-163-038-00	CERAMIC CHIP 0.1MF	25V	Q1416	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C1454	1-163-038-00	CERAMIC CHIP 0.1MF	25V	Q1417	8-729-900-53	TRANSISTOR DTC114EK	
C1455	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	Q1418	8-729-900-53	TRANSISTOR DTC114EK	
C1456	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	Q1419	8-729-900-53	TRANSISTOR DTC114EK	
C1457	1-164-005-11	CERAMIC CHIP 0.47MF	25V	Q1421	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C1461	1-164-005-11	CERAMIC CHIP 0.47MF	25V	Q1422	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C1462	1-164-005-11	CERAMIC CHIP 0.47MF	25V			<RESISTOR>	
C1463	1-126-101-11	ELECT 100MF	20% 16V	JR1401	1-216-295-00	METAL GLAZE 0 5% 1/10W	
C1464	1-126-101-11	ELECT 100MF	20% 16V	JR1402	1-216-295-00	METAL GLAZE 0 5% 1/10W	
C1465	1-126-101-11	ELECT 100MF	20% 16V	JR1403	1-216-295-00	METAL GLAZE 0 5% 1/10W	
C1466	1-126-101-11	ELECT 100MF	20% 16V	R1401	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
C1467	1-126-101-11	ELECT 100MF	20% 16V	R1402	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
C1471	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	R1403	1-216-025-00	METAL GLAZE 100 5% 1/10W	
C1472	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	R1404	1-216-025-00	METAL GLAZE 100 5% 1/10W	
C1473	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	R1405	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
C1481	1-164-005-11	CERAMIC CHIP 0.47MF	25V	R1406	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
C1482	1-163-001-11	CERAMIC CHIP 220PF	10% 50V	R1407	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
C1491	1-124-907-11	ELECT 10MF	20% 50V	R1408	1-216-041-00	METAL GLAZE 470 5% 1/10W	
		<CONNECTOR>		R1410	1-216-029-00	METAL GLAZE 150 5% 1/10W	
CN1514*1-568-879-51	PIN, CONNECTOR 4P			R1411	1-216-041-00	METAL GLAZE 470 5% 1/10W	
CN1515*1-564-516-11	PLUG, CONNECTOR 13P			R1412	1-216-041-00	METAL GLAZE 470 5% 1/10W	
CN1516*1-568-879-51	PIN, CONNECTOR 4P			R1413	1-216-041-00	METAL GLAZE 470 5% 1/10W	
CN1538*1-573-299-11	CONNECTOR, BOARD TO BOARD 10P			R1414	1-216-041-00	METAL GLAZE 470 5% 1/10W	
		<DIODE>		R1415	1-216-041-00	METAL GLAZE 470 5% 1/10W	
D1401	8-719-105-91	DIODE RD5.6M-B2		R1417	1-216-033-00	METAL GLAZE 220 5% 1/10W	
		<FILTER>		R1418	1-216-121-00	METAL GLAZE 1M 5% 1/10W	
FL1403	1-236-071-11	ENCAPSULATED COMPONENT		R1419	1-216-027-00	METAL GLAZE 120 5% 1/10W	
FL1404	1-236-071-11	ENCAPSULATED COMPONENT		R1421	1-216-033-00	METAL GLAZE 220 5% 1/10W	
FL1405	1-236-071-11	ENCAPSULATED COMPONENT		R1422	1-216-023-00	METAL GLAZE 82 5% 1/10W	
FL1406	1-236-071-11	ENCAPSULATED COMPONENT					
FL1407	1-236-071-11	ENCAPSULATED COMPONENT					

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R1424	1-216-041-00	METAL GLAZE	470 5% 1/10W	C011	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
R1425	1-216-041-00	METAL GLAZE	470 5% 1/10W	C012	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
R1426	1-216-041-00	METAL GLAZE	470 5% 1/10W	C014	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
R1427	1-216-041-00	METAL GLAZE	470 5% 1/10W	C016	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
R1429	1-216-091-00	METAL GLAZE	56K 5% 1/10W	C018	1-164-505-11	CERAMIC CHIP 2.2MF	16V
R1431	1-216-029-00	METAL GLAZE	150 5% 1/10W	C019	1-126-233-11	ELECT 22MF	20% 50V
R1432	1-216-031-00	METAL GLAZE	180 5% 1/10W	C032	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
R1433	1-216-113-00	METAL GLAZE	470K 5% 1/10W	C035	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
R1434	1-216-023-00	METAL GLAZE	82 5% 1/10W	C036	1-164-005-11	CERAMIC CHIP 0.47MF	25V
R1435	1-216-075-00	METAL GLAZE	12K 5% 1/10W	C037	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
R1436	1-216-045-00	METAL GLAZE	680 5% 1/10W	C501	1-163-020-00	CERAMIC CHIP 0.0082MF	10% 50V
R1437	1-216-033-00	METAL GLAZE	220 5% 1/10W	C502	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
R1438	1-216-047-00	METAL GLAZE	820 5% 1/10W	C503	1-137-123-91	FILM 0.0033MF	5% 63V
R1439	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	C504	1-137-025-91	FILM 0.56MF	10% 63V
R1441	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	C505	1-124-925-11	ELECT 2.2MF	20% 50V
R1442	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	C506	1-162-568-11	CERAMIC CHIP 0.33MF	10% 16V
R1443	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	C507	1-164-489-11	CERAMIC CHIP 0.22MF	10% 16V
R1444	1-216-041-00	METAL GLAZE	470 5% 1/10W	C508	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
R1445	1-216-083-00	METAL GLAZE	27K 5% 1/10W	C509	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
R1446	1-216-079-00	METAL GLAZE	18K 5% 1/10W	C510	1-124-925-11	ELECT 2.2MF	20% 50V
R1449	1-216-033-00	METAL GLAZE	220 5% 1/10W	C511	1-137-102-11	FILM 0.022MF	10% 250V
R1450	1-216-033-00	METAL GLAZE	220 5% 1/10W	C512	1-126-103-11	ELECT 470MF	20% 16V
R1451	1-216-073-00	METAL GLAZE	10K 5% 1/10W	C513	1-163-209-00	CERAMIC CHIP 0.0015MF	5% 50V
R1452	1-216-689-11	METAL GLAZE	39K 5% 1/10W	C514	1-163-105-00	CERAMIC CHIP 33PF	5% 50V
R1453	1-216-025-00	METAL GLAZE	100 5% 1/10W	C515	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
R1454	1-216-025-00	METAL GLAZE	100 5% 1/10W	C519	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V
R1455	1-216-081-00	METAL GLAZE	22K 5% 1/10W	C522	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
R1456	1-216-089-00	METAL GLAZE	47K 5% 1/10W	C523	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
R1458	1-216-041-00	METAL GLAZE	470 5% 1/10W	C531	1-164-493-11	CERAMIC CHIP 0.047MF	10% 50V
R1461	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	C532	1-164-489-11	CERAMIC CHIP 0.22MF	10% 16V
R1462	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	C538	1-164-489-11	CERAMIC CHIP 0.22MF	10% 16V
R1471	1-216-037-00	METAL GLAZE	330 5% 1/10W	C541	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
R1481	1-216-097-00	METAL GLAZE	100K 5% 1/10W	C542	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
R1482	1-216-081-00	METAL GLAZE	22K 5% 1/10W	C543	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V
R1483	1-216-097-00	METAL GLAZE	100K 5% 1/10W	C544	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V
R1484	1-216-083-00	METAL GLAZE	27K 5% 1/10W	C546	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
R1485	1-216-041-00	METAL GLAZE	470 5% 1/10W	C547	1-163-020-00	CERAMIC CHIP 0.0082MF	10% 50V
R1486	1-216-033-00	METAL GLAZE	220 5% 1/10W	C549	1-163-989-11	CERAMIC CHIP 0.033MF	10% 25V
R1487	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	C550	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
R1492	1-216-033-00	METAL GLAZE	220 5% 1/10W	C552	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
R1493	1-216-081-00	METAL GLAZE	22K 5% 1/10W	C559	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
R1494	1-216-174-00	METAL GLAZE	100 5% 1/8W	C560	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V
R1495	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	C562	1-216-295-00	METAL GLAZE 0	5% 1/10W
R1496	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	C563	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R1497	1-216-041-00	METAL GLAZE	470 5% 1/10W	C564	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R1498	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	C565	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R1499	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C566	1-163-031-11	CERAMIC CHIP 0.01MF	50V
<CRYSTAL>				C567	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
X1401	1-567-505-11	OSCILLATOR, CRYSTAL		C568	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
X1402	1-567-504-11	OSCILLATOR, CRYSTAL		C569	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V
*****				C570	1-162-568-11	CERAMIC CHIP 0.33MF	10% 16V
*A-1635-001-A M BOARD, COMPLETE				<FILTER>			
*****				CD001	1-577-364-11	VIBRATOR, CERAMIC	
<CAPACITOR>				<CONNECTOR>			
C001	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	CN1406*1-568-880-61	PIN, CONNECTOR 5P		
C003	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	CN1413 1-695-301-11	CONNECTOR, BOARD TO BOARD 40P		
C007	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	CN1426*1-568-881-51	PIN, CONNECTOR 6P		
C008	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	CN1432*1-568-882-51	PIN, CONNECTOR 7P		
C010	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	CN1441*1-564-511-11	PLUG, CONNECTOR 8P		



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<DIODE>				R030	1-216-049-00	METAL GLAZE 1K 5%	1/10W
D001	8-719-027-82	DIODE MA3039H-TX		R032	1-216-049-00	METAL GLAZE 1K 5%	1/10W
D501	8-719-800-76	DIODE ISS226		R033	1-216-049-00	METAL GLAZE 1K 5%	1/10W
D503	8-719-401-31	DIODE MA3047L-TX		R034	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
D504	8-719-400-18	DIODE MA152WK		R035	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
D510	8-719-105-91	DIODE RD5.6M-B2		R038	1-216-073-00	METAL GLAZE 10K 5%	1/10W
<IC>				R049	1-216-049-00	METAL GLAZE 1K 5%	1/10W
IC001	8-759-072-93	IC SDA30C162		R050	1-216-073-00	METAL GLAZE 10K 5%	1/10W
	*1-540-123-11	SOCKET, IC 68P; IC001		R051	1-216-081-00	METAL GLAZE 22K 5%	1/10W
IC003	8-759-155-77	IC M27C512-20B1-AE25		R052	1-216-073-00	METAL GLAZE 10K 5%	1/10W
IC501	8-759-513-48	IC TDA2595/V9		R053	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
IC561	8-752-347-92	IC CXD2018Q		R054	1-216-081-00	METAL GLAZE 22K 5%	1/10W
IC562	8-759-998-98	IC LM358D		R055	1-216-081-00	METAL GLAZE 22K 5%	1/10W
IC563	8-759-081-30	IC MC78L05ACPRP		R067	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
<COIL>				R068	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
L001	1-408-421-00	INDUCTOR 100UH		R069	1-216-037-00	METAL GLAZE 330 5%	1/10W
L501	1-410-119-11	INDUCTOR 1MMH		R070	1-216-037-00	METAL GLAZE 330 5%	1/10W
L561	1-408-409-00	INDUCTOR 10UH		R501	1-216-047-00	METAL GLAZE 820 5%	1/10W
L562	1-408-409-00	INDUCTOR 10UH		R502	1-216-097-00	METAL GLAZE 100K 5%	1/10W
L563	1-408-947-00	INDUCTOR 2.2MMH		R503	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
<TRANSISTOR>				R504	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
Q002	8-729-216-22	TRANSISTOR 2SA1162-G		R505	1-216-075-00	METAL GLAZE 12K 5%	1/10W
Q003	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R506	1-216-049-00	METAL GLAZE 1K 5%	1/10W
Q501	8-729-901-01	TRANSISTOR DTC144EK		R507	1-216-099-00	METAL GLAZE 120K 5%	1/10W
Q502	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R509	1-216-039-00	METAL GLAZE 390 5%	1/10W
Q503	8-729-901-01	TRANSISTOR DTC144EK		R510	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q508	8-729-901-01	TRANSISTOR DTC144EK		R511	1-216-097-00	METAL GLAZE 100K 5%	1/10W
Q509	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R512	1-216-049-00	METAL GLAZE 1K 5%	1/10W
Q564	8-729-216-22	TRANSISTOR 2SA1162-G		R513	1-216-230-00	METAL GLAZE 22K 5%	1/8W
Q565	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R514	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
Q566	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R515	1-216-049-00	METAL GLAZE 1K 5%	1/10W
Q567	8-729-901-01	TRANSISTOR DTC144EK		R516	1-216-039-00	METAL GLAZE 390 5%	1/10W
<RESISTOR>				R517	1-216-039-00	METAL GLAZE 390 5%	1/10W
JR002	1-216-295-00	METAL GLAZE 0 5%	1/10W	R518	1-216-075-00	METAL GLAZE 12K 5%	1/10W
JR502	1-216-296-00	METAL GLAZE 0 5%	1/8W	R519	1-216-033-00	METAL GLAZE 220 5%	1/10W
R001	1-216-025-00	METAL GLAZE 100 5%	1/10W	R520	1-216-093-00	METAL GLAZE 68K 5%	1/10W
R002	1-216-025-00	METAL GLAZE 100 5%	1/10W	R521	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
R003	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R522	1-216-085-00	METAL GLAZE 33K 5%	1/10W
R006	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R523	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R007	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R524	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W
R008	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R525	1-216-097-00	METAL GLAZE 100K 5%	1/10W
R010	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R526	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
R011	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R527	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W
R012	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R528	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R014	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R529	1-216-696-11	METAL CHIP 75K 0.50%	1/10W
R015	1-216-296-00	METAL GLAZE 0 5%	1/8W	R531	1-216-085-00	METAL GLAZE 33K 5%	1/10W
R016	1-216-045-00	METAL GLAZE 680 5%	1/10W	R532	1-249-427-11	METAL 6.8K 5%	1/4W
R017	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R533	1-216-105-00	METAL GLAZE 220K 5%	1/10W
R018	1-216-041-00	METAL GLAZE 470 5%	1/10W	R535	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R020	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R536	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R021	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R538	1-216-025-00	METAL GLAZE 100 5%	1/10W
R025	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R539	1-216-657-11	METAL CHIP 1.8K 0.50%	1/10W
R026	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R540	1-216-295-00	METAL GLAZE 0 5%	1/10W
R028	1-216-075-00	METAL GLAZE 12K 5%	1/10W	R541	1-216-049-00	METAL GLAZE 1K 5%	1/10W
				R542	1-216-025-00	METAL GLAZE 100 5%	1/10W
				R544	1-216-085-00	METAL GLAZE 33K 5%	1/10W
				R545	1-216-033-00	METAL GLAZE 220 5%	1/10W
				R546	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
				R547	1-216-049-00	METAL GLAZE 1K 5%	1/10W
				R551	1-216-049-00	METAL GLAZE 1K 5%	1/10W
				R552	1-216-097-00	METAL GLAZE 100K 5%	1/10W
				R553	1-216-085-00	METAL GLAZE 33K 5%	1/10W
				R559	1-216-049-00	METAL GLAZE 1K 5%	1/10W
				R560	1-216-073-00	METAL GLAZE 10K 5%	1/10W

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

M D3

REF.NO.	PART NO.	DESCRIPTION	REMARK
R564	1-216-091-00	METAL GLAZE 56K 5%	1/10W
R565	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R566	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R567	1-216-085-00	METAL GLAZE 33K 5%	1/10W
R568	1-216-109-00	METAL GLAZE 330K 5%	1/10W
R570	1-216-049-00	METAL GLAZE 1K 5%	1/10W
<VARIABLE RESISTOR>			
RV506	1-241-766-21	RES, ADJ, CERMET 47K	

	*1-646-681-11	D3 BOARD	*****
<CAPACITOR>			
C951	1-102-030-00	CERAMIC 330PF	10% 500V
<CONNECTOR>			
CN951	*1-564-505-11	PLUG, CONNECTOR 2P	
<DIODE>			
D951	8-719-970-39	DIODE ESAC92M-02	
<COIL>			
L951	1-410-396-41	FERRITE BEAD INDUCTOR	

MISCELLANEOUS			

Δ 1-402-715-11	COIL, DEGAUSSING		
Δ 1-402-716-11	COIL, DEGAUSSING		
Δ 1-451-394-11	DEFLECTION YOKE (Y29EXA)		
1-452-032-00	MAGNET, DISK; 10MM ϕ		
1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ		
Δ 1-452-616-12	NECK ASSY, PICTURE TUBE (NA323)		
1-504-121-21	SPEAKER (SQUAWKER) (5CM)		
1-504-145-11	SPEAKER (12CM)		
Δ 1-590-501-11	CORD, POWER (WITH NOISE FILTER)		
	(KV-S2911B, S2911D, S2913E)		
Δ 1-590-762-11	CORD, POWER (WITH PLUG) (KV-S2912U)		
V901 Δ 8-733-837-05	PICTURE TUBE (M68KU210X)		

REF.NO.	PART NO.	DESCRIPTION	REMARK
ACCESSORIES AND PACKING MATERIALS			

4-202-091-11	MANUAL, INSTRUCTION (GERMAN/ENGLISH/ FRENCH/DUTCH/ITALIAN/PORTUGUESE)		(KV-S2911D)
4-202-091-51	MANUAL, INSTRUCTION (FRENCH/GERMAN/ ITALIAN)		(KV-2911B)
4-202-091-61	MANUAL, INSTRUCTION (ENGLISH)		(KV-S2912U)
4-202-091-71	MANUAL, INSTRUCTION (FRENCH/SPANISH/ DUTCH/SWEDISH/DANISH/FINNISH/NORWEGIAN)		(KV-S2913E)
*4-202-105-01	CUSHION (LOWER) (ASSY)		
*4-202-106-01	CUSHION (UPPER) (ASSY)		
*4-202-117-01	INDIVIDUAL CARTON		
4-202-137-01	DOOR, REAR		
*4-384-027-01	BAG, PROTECTION		
REMOTE COMMANDER			
1-466-804-11	REMOTE COMMANDER (RM-832)		
9-903-466-01	POCKET COVER (FOR RM-832)		